

# DuPont™ Zenite® LCP

liquid crystal polymer resin

## Zenite® 7130 WT010

Zenite® 7130 WT010 is a 30% glass reinforced liquid crystal polymer resin having excellent toughness and a heat deflection temperature of 310°C.

Property	Test Method	Units	Value
<b>Identification</b>			
Resin Identification	ISO 1043		LCP-GF30
Part Marking Code	ISO 11469		>LCP-GF30<
<b>Mechanical</b>			
Stress at Break	ISO 527	MPa (kpsi)	150 (22.0)
Tensile Strength, 1.6mm (0.062in)	ASTM D 638	MPa (kpsi)	
-40°C (-40°F)			235 (34.1)
23°C (73°F)			173 (25.1)
120°C (248°F)			79 (11.5)
150°C (302°F)			72 (10.4)
200°C (390°F)			54 (7.8)
250°C (480°F)			39 (5.7)
Tensile Strength, 3.2mm (0.125in)	ASTM D 638	MPa (kpsi)	
-40°C (-40°F)			230 (33.7)
23°C (73°F)			145 (21.0)
120°C (250°F)			75 (10.7)
150°C (300°F)			60 (8.6)
200°C (390°F)			56 (8.2)
250°C (480°F)			30 (4.3)
Strain at Break	ISO 527	%	1.4

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc.  
 ISO Mechanical properties measured at 4.0mm, ISO Electrical properties measured at 2.0mm, and all ASTM properties measured at 3.2mm.  
 Test temperatures are 23°C unless otherwise stated.

During molding, use protective equipment and clothing. Skin contact with molten Zenite® resins can cause severe burns. Be particularly alert during purging.

The DuPont Oval Logo, DuPont™, The miracles of science™ and Zenite® are trademarks or registered trademarks of DuPont Company. Copyright© 2006.

060413/060526

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials, additives or pigments or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights. DuPont advises you to seek independent counsel for a freedom to practice opinion on the intended application or end-use of our products. Caution: Do not use this product in medical applications involving implantation in the human body. For other medical applications see "DuPont Medical Caution Statement", H-50102.

Zenite® 7130 WT010

Property	Test Method	Units	Value
<b>Mechanical</b>			
Elongation at Break, 1.6mm (0.062in)	ASTM D 638	%	
-40°C (-40°F)			1.3
23°C (73°F)			1.6
120°C (248°F)			1.2
150°C (302°F)			1.0
200°C (390°F)			1.4
250°C (480°F)			0.8
Elongation at Break, 3.2mm (0.125in)	ASTM D 638	%	2.2
Tensile Modulus	ISO 527	MPa (kpsi)	16500 (2390)
Tensile Modulus, 1.6mm (0.062in)	ASTM D 638	MPa (kpsi)	
-40°C (-40°F)			26890 (3900)
23°C (73°F)			19306 (2880)
150°C (302°F)			12066 (1750)
200°C (390°F)			9308 (1350)
250°C (480°F)			8963 (1300)
Tensile Modulus, 3.2mm (0.125in)	ASTM D 638	MPa (kpsi)	
-40°C (-40°F)			23000 (3600)
23°C (73°F)			18000 (2600)
120°C (250°F)			14000 (2000)
150°C (300°F)			9000 (1300)
200°C (390°F)			9000 (1300)
250°C (480°F)			9000 (1300)
Shear Strength, 0.8mm (0.031in)	ASTM D 732	MPa (kpsi)	57 (8.2)
Shear Strength, 3.2mm (0.125in)	ASTM D 732	MPa (kpsi)	58 (8.4)
Flexural Modulus	ISO 178	MPa (kpsi)	13000 (1890)
Flexural Modulus, 0.8mm (0.031in)	ASTM D 790	MPa (kpsi)	
-40°C (-40°F)			22000 (3200)
23°C (73°F)			18000 (2600)
150°C (300°F)			9000 (1300)
200°C (390°F)			8000 (1100)
250°C (480°F)			5000 (700)

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc.  
 ISO Mechanical properties measured at 4.0mm, ISO Electrical properties measured at 2.0mm, and all ASTM properties measured at 3.2mm.  
 Test temperatures are 23°C unless otherwise stated.

The DuPont Oval Logo, DuPont™, The miracles of science™ and Zenite® are trademarks or registered trademarks of DuPont Company. Copyright© 2006.

060413/060526

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials, additives or pigments or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights. DuPont advises you to seek independent counsel for a freedom to practice opinion on the intended application or end-use of our products. Caution: Do not use this product in medical applications involving implantation in the human body. For other medical applications see "DuPont Medical Caution Statement", H-50102.

Zenite® 7130 WT010

Property	Test Method	Units	Value
<b>Mechanical</b>			
Flexural Modulus, 1.6mm (0.062in)	ASTM D 790	MPa (kpsi)	
-40°C (-40°F)			16000 (2300)
23°C (73°F)			14000 (2000)
150°C (300°F)			8000 (1200)
200°C (390°F)			6000 (800)
250°C (480°F)			4000 (600)
Flexural Modulus, 3.2mm (0.125in)	ASTM D 790	MPa (kpsi)	
-40°C (-40°F)			16000 (2300)
23°C (73°F)			13000 (1800)
120°C (250°F)			8000 (1100)
150°C (300°F)			8000 (1100)
200°C (390°F)			6500 (900)
250°C (480°F)			3500 (500)
Flexural Strength	ISO 178	MPa (kpsi)	210 (30.5)
Flexural Strength, 0.8mm (0.031in)	ASTM D 790	MPa (kpsi)	
-40°C (-40°F)			335 (48.5)
23°C (73°F)			215 (31.1)
150°C (300°F)			73 (10.6)
200°C (390°F)			53 (7.7)
250°C (480°F)			30 (4.4)
Flexural Strength, 1.6mm (0.062in)	ASTM D 790	MPa (kpsi)	
-40°C (-40°F)			290 (42.0)
23°C (73°F)			192 (27.9)
150°C (300°F)			69 (10.0)
200°C (390°F)			49 (7.1)
250°C (480°F)			29 (4.2)

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc.  
 ISO Mechanical properties measured at 4.0mm, ISO Electrical properties measured at 2.0mm, and all ASTM properties measured at 3.2mm.  
 Test temperatures are 23°C unless otherwise stated.

The DuPont Oval Logo, DuPont™, The miracles of science™ and Zenite® are trademarks or registered trademarks of DuPont Company. Copyright© 2006.

060413/060526

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials, additives or pigments or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights. DuPont advises you to seek independent counsel for a freedom to practice opinion on the intended application or end-use of our products. Caution: Do not use this product in medical applications involving implantation in the human body. For other medical applications see "DuPont Medical Caution Statement", H-50102.



Zenite® 7130 WT010

Property	Test Method	Units	Value
<b>Mechanical</b>			
Flexural Strength, 3.2mm (0.125in)	ASTM D 790	MPa (kpsi)	
-40°C (-40°F)			270 (39.2)
23°C (73°F)			174 (25.3)
120°C (250°F)			78 (11.3)
150°C (300°F)			64 (9.3)
200°C (390°F)			48 (7.0)
250°C (480°F)			30 (4.4)
Compressive Strength	ASTM D 695	MPa (kpsi)	89 (12.5)
Compressive Modulus	ASTM D 695	MPa (kpsi)	5300 (770)
Flexural Fatigue	ASTM D 671	cycles	
28MPa (4000psi)			2667
41MPa (6000psi)			5,263,333
69MPa (10000psi)		210,667	
Notched Izod Impact Strength	ISO 180/1A	kJ/m <sup>2</sup>	18
Izod Impact, 0.8mm (0.031in)	ASTM D 256	J/m (ft lb/in)	
-40°C (-40°F)			490, 40%NB (9.2, 40%NB)
23°C (73°F)		400, 40%NB (7.5, 40%NB)	
Izod Impact, 1.6mm (0.062in)	ASTM D 256	J/m (ft lb/in)	
-40°C (-40°F)			190 (3.6)
23°C (73°F)		170 (3.2)	
Izod Impact, 3.2mm (0.125in)	ASTM D 256	J/m (ft lb/in)	
-40°C (-40°F)			185 (3.5)
23°C (73°F)		225 (4.2)	
Unnotched Izod Impact Strength	ISO 180/1U	kJ/m <sup>2</sup>	30
Unnotched Impact, 0.8mm (0.031in)	ASTM D 4812	J/m (ft lb/in)	
-40°C (-40°F)			470, 60%NB (8.8, 60%NB)
23°C (73°F)		NB	
Unnotched Impact, 1.6mm (0.062in)	ASTM D 4812	J/m (ft lb/in)	
-40°C (-40°F)			475 (8.9)
23°C (73°F)		840 (15.7)	

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc.  
 ISO Mechanical properties measured at 4.0mm, ISO Electrical properties measured at 2.0mm, and all ASTM properties measured at 3.2mm.  
 Test temperatures are 23°C unless otherwise stated.

The DuPont Oval Logo, DuPont™, The miracles of science™ and Zenite® are trademarks or registered trademarks of DuPont Company. Copyright© 2006.

060413/060526

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials, additives or pigments or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights. DuPont advises you to seek independent counsel for a freedom to practice opinion on the intended application or end-use of our products. Caution: Do not use this product in medical applications involving implantation in the human body. For other medical applications see "DuPont Medical Caution Statement", H-50102.

Zenite® 7130 WT010

Property	Test Method	Units	Value
<b>Mechanical</b>			
Unnotched Impact, 3.2mm (0.125in) -40°C (-40°F) 23°C (73°F)	ASTM D 4812	J/m (ft lb/in)	555 (10.4)
			740 (13.9)
Notched Charpy Impact Strength -30°C (-22°F) 23°C (73°F)	ISO 179/1eA	kJ/m <sup>2</sup>	20
			20
Unnotched Charpy Impact Strength -30°C (-22°F) 23°C (73°F)	ISO 179/1eU	kJ/m <sup>2</sup>	22
			30
<b>Thermal</b>			
Deflection Temperature 1.80MPa	ISO 75-1/-2 1993/N <sub>2</sub>	°C (°F)	310 (590)
Melting Temperature 10°C/min	ISO 11357-1/-3	°C (°F)	352 (666)
Glass Transition Temperature	ASTM D 3418	°C (°F)	120 (250)
Extrapolated End Melt Temp.	ASTM D 3418	°C (°F)	360 (680)
Thermal Conductivity	ASTM C 177	W/m K (Btu in/h ft <sup>2</sup> F)	0.32 (2.2)
<b>Electrical</b>			
Surface Resistivity	ASTM D 257	ohm	1E15
Volume Resistivity	ASTM D 257	ohm cm	1E16
Dielectric Strength, Short Time, 1.6mm 23°C (73°F) 120°C (250°F) 150°C (300°F) 200°C (390°F)	ASTM D 149	kV/mm (V/mil)	35 (900)
			34 (870)
			36 (920)
			35 (900)
Dielectric Strength, Short Time, 3.2mm 23°C (73°F) 120°C (250°F) 150°C (300°F) 200°C (390°F)	ASTM D 149	kV/mm (V/mil)	>28 (>710)
			>28 (>710)
			>26 (>660)
			>27 (>690)
Dielectric Strength, Step by Step, 1.6mm	ASTM D 149	kV/mm (V/mil)	31 (790)

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc.  
 ISO Mechanical properties measured at 4.0mm, ISO Electrical properties measured at 2.0mm, and all ASTM properties measured at 3.2mm.  
 Test temperatures are 23°C unless otherwise stated.

The DuPont Oval Logo, DuPont™, The miracles of science™ and Zenite® are trademarks or registered trademarks of DuPont Company. Copyright© 2006.

060413/060526

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials, additives or pigments or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights. DuPont advises you to seek independent counsel for a freedom to practice opinion on the intended application or end-use of our products. Caution: Do not use this product in medical applications involving implantation in the human body. For other medical applications see "DuPont Medical Caution Statement", H-50102.

Zenite® 7130 WT010

Property	Test Method	Units	Value
<b>Electrical</b>			
Dielectric Strength, Step by Step, 3.2mm	ASTM D 149	kV/mm (V/mil)	24 (600)
Dielectric Constant, 0.8mm (0.031in)	ASTM D 150		
23°C (73°F), 1E3 Hz			3.9
120°C (250°F), 1E3 Hz			4.4
150°C (300°F), 1E3 Hz			4.5
200°C (390°F), 1E3 Hz			4.4
23°C (73°F), 1E6 Hz			3.5
120°C (250°F), 1E6 Hz			4.3
150°C (300°F), 1E6 Hz			4.4
200°C (390°F), 1E6 Hz			4.4
Dielectric Constant, 0.8mm (0.031in)	ASTM D 2520 B		
23°C (73°F), 1E09 Hz			4.4
120°C (250°F), 1E09 Hz			4.4
150°C (300°F), 1E09 Hz			4.4
200°C (390°F), 1E09 Hz			4.8
Dielectric Constant, 1.6mm (0.062in)	ASTM D 2520 B		
23°C (73°F), 1E09 Hz			4.3
120°C (250°F), 1E09 Hz			4.4
150°C (300°F), 1E09 Hz			4.4
200°C (390°F), 1E09 Hz			4.7
Dielectric Constant, 3.2mm (0.125in)	ASTM D 150		
23°C (73°F), 1E3 Hz			4.3
120°C (250°F), 1E3 Hz			4.9
150°C (300°F), 1E3 Hz			5.0
200°C (390°F), 1E3 Hz			5.0
23°C (73°F), 1E6 Hz			3.8
120°C (250°F), 1E6 Hz			4.5
150°C (300°F), 1E6 Hz			4.8
200°C (390°F), 1E6 Hz			4.9

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc.  
 ISO Mechanical properties measured at 4.0mm, ISO Electrical properties measured at 2.0mm, and all ASTM properties measured at 3.2mm.  
 Test temperatures are 23°C unless otherwise stated.

The DuPont Oval Logo, DuPont™, The miracles of science™ and Zenite® are trademarks or registered trademarks of DuPont Company. Copyright© 2006.

060413/060526

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials, additives or pigments or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights. DuPont advises you to seek independent counsel for a freedom to practice opinion on the intended application or end-use of our products. Caution: Do not use this product in medical applications involving implantation in the human body. For other medical applications see "DuPont Medical Caution Statement", H-50102.



Zenite® 7130 WT010

Property	Test Method	Units	Value
<b>Electrical</b>			
Dielectric Constant, 3.2mm (0.125in)	ASTM D 2520 B		
23°C (73°F), 1E09 Hz			4.3
120°C (250°F), 1E09 Hz			4.4
150°C (300°F), 1E09 Hz			4.4
200°C (390°F), 1E09 Hz			4.7
Dissipation Factor, 0.8mm (0.031in)	ASTM D 150		
23°C (73°F), 1E3 Hz			0.013
120°C (250°F), 1E3 Hz			0.007
150°C (300°F), 1E3 Hz			0.007
200°C (390°F), 1E3 Hz			0.012
23°C (73°F), 1E6 Hz			0.029
120°C (250°F), 1E6 Hz			0.030
150°C (300°F), 1E6 Hz			0.015
200°C (390°F), 1E6 Hz			0.009
Dissipation Factor, 0.8mm (0.031in)			ASTM D 2520 B
23°C (73°F), 1E09 Hz	0.004		
120°C (250°F), 1E09 Hz	0.013		
150°C (300°F), 1E09 Hz	0.019		
200°C (390°F), 1E09 Hz	0.026		
Dissipation Factor, 1.6mm (0.062in)	ASTM D 2520 B		
23°C (73°F), 1E09 Hz			0.004
120°C (250°F), 1E09 Hz			0.014
150°C (300°F), 1E09 Hz			0.020
200°C (390°F), 1E09 Hz	0.028		

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc.  
 ISO Mechanical properties measured at 4.0mm, ISO Electrical properties measured at 2.0mm, and all ASTM properties measured at 3.2mm.  
 Test temperatures are 23°C unless otherwise stated.

The DuPont Oval Logo, DuPont™, The miracles of science™ and Zenite® are trademarks or registered trademarks of DuPont Company. Copyright© 2006.

060413/060526

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials, additives or pigments or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights. DuPont advises you to seek independent counsel for a freedom to practice opinion on the intended application or end-use of our products. Caution: Do not use this product in medical applications involving implantation in the human body. For other medical applications see "DuPont Medical Caution Statement", H-50102.

Zenite® 7130 WT010

Property	Test Method	Units	Value
<b>Electrical</b>			
Dissipation Factor, 3.2mm (0.125in) 23°C (73°F), 1E3 Hz	ASTM D 150		0.013
120°C (250°F), 1E3 Hz			0.006
150°C (300°F), 1E3 Hz			0.006
200°C (390°F), 1E3 Hz			0.012
23°C (73°F), 1E6 Hz			0.029
120°C (250°F), 1E6 Hz			0.034
150°C (300°F), 1E6 Hz			0.014
200°C (390°F), 1E6 Hz			0.009
Dissipation Factor, 3.2mm (0.125in) 23°C (73°F), 1E09 Hz			ASTM D 2520 B
120°C (250°F), 1E09 Hz	0.016		
150°C (300°F), 1E09 Hz	0.022		
200°C (390°F), 1E09 Hz	0.030		
CTI	IEC 60112	V	200
CTI	UL 746A	V	100-174
<b>Flammability</b>			
Flammability Classification 0.4mm	IEC 60695-11-10		V-0
Flammability Classification 0.4mm	UL94		V-0
Oxygen Index 3.2mm (0.125in)	ASTM D 2863	%	39
<b>Temperature Index</b>			
RTI, Electrical 0.75mm	UL 746B	°C	240
RTI, Impact 0.75mm	UL 746B	°C	210
RTI, Strength 0.75mm	UL 746B	°C	240

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc.  
ISO Mechanical properties measured at 4.0mm, ISO Electrical properties measured at 2.0mm, and all ASTM properties measured at 3.2mm.  
Test temperatures are 23°C unless otherwise stated.

The DuPont Oval Logo, DuPont™, The miracles of science™ and Zenite® are trademarks or registered trademarks of DuPont Company. Copyright© 2006.

060413/060526

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials, additives or pigments or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights. DuPont advises you to seek independent counsel for a freedom to practice opinion on the intended application or end-use of our products. Caution: Do not use this product in medical applications involving implantation in the human body. For other medical applications see "DuPont Medical Caution Statement", H-50102.



## Zenite® 7130 WT010

Property	Test Method	Units	Value
<b>Other</b>			
Density	ISO 1183	kg/m <sup>3</sup> (g/cm <sup>3</sup> )	1670 (1.67)
Hardness, Rockwell	ASTM D 785		
Scale M			63
Scale R			110
Taber Abrasion	ASTM D 1044	mg	
CS-17 Wheel, 1kg, 1000 cycles			63
UL Regrind Approval	UL 746D	%	50
Mold Shrinkage	ASTM D 955	%	
Flow, 1.6mm (0.062in)			-0.1
Flow, 3.2mm (0.125in)			0
Transverse, 1.6mm (0.062in)			0.9
Transverse, 3.2mm (0.125in)			0.8
<b>Processing</b>			
Melt Temperature Range		°C (°F)	360-370 (680-700)
Melt Temperature Optimum		°C (°F)	365 (690)
Mold Temperature Range		°C (°F)	40-150 (105-300)
Mold Temperature Optimum		°C (°F)	80 (175)
Drying Time, Dehumidified Dryer		h	3
Drying Temperature		°C (°F)	150 (304)
Processing Moisture Content		%	<0.01
Snake Flow		mm	
90MPa, 5x0.30mm			12
90MPa, 5x0.50mm			55
90MPa, 5x0.75mm			146
90MPa, 5x1.00mm			275

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc.  
 ISO Mechanical properties measured at 4.0mm, ISO Electrical properties measured at 2.0mm, and all ASTM properties measured at 3.2mm.  
 Test temperatures are 23°C unless otherwise stated.

The DuPont Oval Logo, DuPont™, The miracles of science™ and Zenite® are trademarks or registered trademarks of DuPont Company. Copyright© 2006.

060413/060526

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials, additives or pigments or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights. DuPont advises you to seek independent counsel for a freedom to practice opinion on the intended application or end-use of our products. Caution: Do not use this product in medical applications involving implantation in the human body. For other medical applications see "DuPont Medical Caution Statement", H-50102.