

DuPont™ Zytel®

nylon resin

PRELIMINARY DATA

Zytel® BM73G15THS BK317

Zytel® BM73G15THS is a 15% glass fiber reinforced, heat stabilized, lubricated, toughened polyamide 6 for blow molding.

Property	Test Method	Units	Value	
			DAM	50%RH
Mechanical				
Stress at Break	ISO 527	MPa (kpsi)	107 (15.5)	65 (9.4)
Strain at Break	ISO 527	%	5.7	22
Tensile Modulus	ISO 527	MPa (kpsi)	5100 (739.5)	2500 (362)
Notched Charpy Impact Strength	ISO 179/1eA	kJ/m ²	27	33
Unnotched Charpy Impact Strength	ISO 179/1eU	kJ/m ²	85	115
Thermal				
Deflection Temperature 1.80MPa	ISO 75f	°C (°F)	180 (356)	
Melting Temperature 10°C/min	ISO 11357-1/-3	°C (°F)	221 (430)	
Other				
Density	ISO 1183	kg/m ³ (g/cm ³)	1180 (1.18)	
Molding Shrinkage Parallel, 2.0mm	ISO 294-4	%	0.28	

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 above data are preliminary and are subject to change as additional data are developed on subsequent lots.

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Property	Test Method	Units	Value	
			DAM	50%RH
Processing				
Melt Temperature Range		°C (°F)	260-280 (500-535)	
Melt Temperature Optimum		°C (°F)	270 (520)	
Mold Temperature Range		°C (°F)	50-100 (120-210)	
Mold Temperature Optimum		°C (°F)	80 (175)	
Drying Time, Dehumidified Dryer		h	2-4	
Drying Temperature		°C (°F)	80 (175)	
Processing Moisture Content		%	<0.20	

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