

DuPont™ Rynite® PET

thermoplastic polyester resin

Rynite® 555 BK506

Rynite® 555 BK506 is a 55% glass reinforced modified polyethylene terephthalate with superior stiffness, dimensional stability, heat resistance and outstanding resistance to creep.

Property	Test Method	Units	Value
Identification			
Part Marking Code	ISO 11469		>PET-GF55<
Part Marking Code	SAE J1344		>PET-GF55<
Mechanical			
Stress at Break	ISO 527	MPa (kpsi)	185 (27)
Strain at Break	ISO 527	%	1.38
Tensile Modulus	ISO 527	MPa (kpsi)	18437 (2672)
Flexural Modulus	ISO 178	MPa (kpsi)	17340 (2513)
Notched Izod Impact Strength	ISO 180/1A	kJ/m ²	10.8
Notched Charpy Impact Strength	ISO 179/1eA	kJ/m ²	11.2
Unnotched Charpy Impact Strength	ISO 179/1eU	kJ/m ²	48
Thermal			
Melting Temperature 10°C/min	ISO 11357-1/-3	°C (°F)	248 (478)

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.

Shrinkage generated per ISO 294-4 based on 60 X 60mm end-gated plaques or ASTM D 955 based on 76 X 127mm (3 X 5in) end-gated plaques

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Property	Test Method	Units	Value
Flammability			
Glow Wire Flammability Index	IEC 60695-2-12	°C	750
0.75mm			
1.5mm			
3.0mm	IEC 60695-2-13	°C	825
Glow Wire Ignition Temperature			
0.75mm			
1.5mm			775
3.0mm			775
			850
Other			
Density	ISO 1183	kg/m ³ (g/cm ³)	1.8 (1800)

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