



Crastin[®] PBT

thermoplastic polyester resin

Crastin[®] SK652FR1 NC010

Crastin[®] SK652FR1 is a flame retardant, 15% glass reinforced polybutylene terephthalate molding resin. It is recognized as UL94V-0 at 0.8mm (0.031in).

Property	Test Method	Units	Value
Mechanical			
Tensile Strength	ASTM D 638	MPa (kpsi)	97 (14.2)
Elongation at Break	ASTM D 638	%	2.4
Tensile Modulus	ASTM D 638	MPa (kpsi)	6503 (943)
Flexural Modulus	ASTM D 790	MPa (kpsi)	6206 (900)
Flexural Strength	ASTM D 790	MPa (kpsi)	144 (21)
Izod Impact	ASTM D 256	J/m (ft lb/in)	80 (1.5)
Unnotched Impact	ASTM D 4812	J/m (ft lb/in)	560 (10.5)
Thermal			
Heat Deflection Temperature 0.45MPa (66psi) 1.8MPa (264psi)	ASTM D 648	°C (°F)	222 (432) 210 (410)
Melting Point	ASTM D 3418	°C (°F)	225 (437)
Electrical			
Dielectric Strength, Short Time 3.2mm (0.126in)	ASTM D 149	kV/mm (V/mil)	18 (475)
Dielectric Constant 1E3 Hz 1E6 Hz	ASTM D 150		3.1 3.1
Dissipation Factor 1E3 Hz 1E6 Hz	ASTM D 150		0.002 0.014
Other			
Specific Gravity	ASTM D 792		1.54
Mold Shrinkage Flow Transverse	ASTM D 955	%	0.6 1.1
Processing			
Melt Temperature Range		°C (°F)	240-260 (465-500)
Mold Temperature Range		°C (°F)	30-130 (85-265)

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc.
Mechanical properties measured at 23°C (73°F) unless otherwise stated.

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