



Crastin® PBT

thermoplastic polyester resin

Crastin® SK605

Crastin® SK605 is a 30% glass reinforced polybutylene terephthalate molding resin. It is lubricated and available in colors.

Property	Test Method	Units	Value
Mechanical			
Tensile Strength	ASTM D 638	MPa (kpsi)	140 (20.3)
Elongation at Break	ASTM D 638	%	2.6
Tensile Modulus	ASTM D 638	MPa (kpsi)	10000 (1450)
Flexural Modulus	ASTM D 790	MPa (kpsi)	8965 (1300)
Flexural Strength	ASTM D 790	MPa (kpsi)	200 (29)
Notched Izod Impact	ASTM D 256	J/m (ft lb/in)	112 (2.1)
Unnotched Izod Impact	ASTM D 4812	J/m (ft lb/in)	998 (18.7)
Thermal			
Heat Deflection Temperature 0.45MPa (66psi) 1.8MPa (264psi)	ASTM D 648	°C (°F)	220 (428) 205 (401)
Melting Point	ASTM D 3418	°C (°F)	225 (437)
Electrical			
Surface Resistivity	ASTM D 257	ohm	0.1 E15
Volume Resistivity	ASTM D 257	ohm cm	1 E16
Dielectric Strength, Short Time 3.2mm (0.125in) 1.6mm (0.063in)	ASTM D 149	kV/mm (V/mil)	17 (433) 23 (600)
Dielectric Constant 1E3 Hz 1E6 Hz	ASTM D 150		4 3.8
Dissipation Factor 1E3 Hz 1E6 Hz	ASTM D 150		0.002 0.018
Other			
Specific Gravity	ASTM D 792		1.53
Mold Shrinkage Flow Transverse		%	0.3 1.0

Mechanical properties measured at 23°C (73°F) unless otherwise stated.

Contact DuPont for MSDS, general guides and/or additional information about ventilation, handling, purging, drying, etc.

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CAUTION: Do not use in medical applications involving permanent implantation in the human body.

For other medical applications, see "DuPont Medical Caution Statement", H-50102.

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Property	Test Method	Units	Value
Processing			
Melt Temperature Range		°C (°F)	240-260 (465-500)
Mold Temperature Range		°C (°F)	30-130 (85-265)

Mechanical properties measured at 23°C (73°F) unless otherwise stated.

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