



## Crastin® PBT

thermoplastic polyester resin

### Crastin® HR5030F NC010

Crastin® HR5030F is a 30% glass reinforced polybutylene terephthalate molding resin with improved resistance to hydrolytic attack. It has good flow characteristics.

Property	Test Method	Units	Value
<b>Mechanical</b>			
Tensile Strength	ASTM D 638	MPa (kpsi)	113 (16.4)
Elongation at Break	ASTM D 638	%	3.3
Tensile Modulus	ASTM D 638	MPa (kpsi)	7240 (1050)
Flexural Modulus	ASTM D 790	MPa (kpsi)	6430 (932)
Flexural Strength	ASTM D 790	MPa (kpsi)	155 (22.6)
Izod Impact	ASTM D 256	J/m (ft lb/in)	160 (3)
Unnotched Impact	ASTM D 4812	J/m (ft lb/in)	890 (18.7)
<b>Thermal</b>			
Heat Deflection Temperature	ASTM D 648	°C (°F)	
0.45MPa (66psi)			220 (428)
1.8MPa (264psi)			210 (410)
Melting Point	ASTM D 3418	°C (°F)	225 (437)
<b>Electrical</b>			
Dielectric Strength, Short Time	ASTM D 149	kV/mm (V/mil)	
3.2mm (0.126in)			23.6 (600)
Dielectric Constant	ASTM D 150		
1E3 Hz			3.8
1E6 Hz			3.6
Dissipation Factor	ASTM D 150		
1E3 Hz			.009
1E6 Hz			.018
<b>Other</b>			
Specific Gravity	ASTM D 792		1.45
Mold Shrinkage		%	
Flow			0.3
Transverse			1.0
<b>Processing</b>			
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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