

Crastin® LW9320 NC010

THERMOPLASTIC POLYESTER RESIN

DuPont Performance Polymers

Message:

20% Glass Reinforced Polybutylene Terephthalate Blend with Low Warpage Characteristics

General Information			
UL YellowCard	E41938-257782		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Mold Release		
Agency Ratings	UL Unspecified Rating		
Forms	Pellets		
Processing Method	Injection Molding		
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)		
	Secant Modulus vs. Strain (ISO 11403-1)		
	Shear Stress vs. Shear Rate (ISO 11403-1)		
	Specific Volume vs Temperature (ISO 11403-2)		
	Tensile Modulus vs. Temperature, Dynamic (ISO 11403-1)		
	Viscosity vs. Shear Rate (ISO 11403-2)		
Part Marking Code (ISO 11469)	>PBT+SAN-GF20<		
Resin ID (ISO 1043)	PBT+SAN-GF20		
Physical	Nominal Value	Unit	Test Method
Density	1.34	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (250°C/5.0 kg)	15.0	cm³/10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.70	%	
Flow	0.40	%	
Water Absorption (Equilibrium, 23°C, 2.00 mm, 50% RH)	0.30	%	ISO 62
Viscosity Number	120	cm³/g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7400	MPa	ISO 527-2
Tensile Stress (Break)	120	MPa	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Flexural Modulus	6500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	8.0	kJ/m²	
23°C	8.5	kJ/m²	

Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	50	kJ/m ²	
23°C	55	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-40°C	7.0	kJ/m ²	
-30°C	7.0	kJ/m ²	
23°C	7.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	175	°C	ISO 75-2/A
Glass Transition Temperature ¹	110	°C	ISO 11357-2
Melting Temperature ²	225	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	3.0E-5	cm/cm/°C	
Transverse	1.0E-4	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate (1.00 mm)	30	mm/min	ISO 3795
Flammability Classification			IEC 60695-11-10, -20
0.750 mm	HB		
1.50 mm	HB		
Fill Analysis	Nominal Value	Unit	
Melt Density	1.17	g/cm ³	
Specific Heat Capacity of Melt	1900	J/kg/°C	
Thermal Conductivity of Melt	0.24	W/m/K	
NOTE			
1.	10°C/min		
2.	10°C/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT