

Zytel® HTN FR52G20NH NC010

HIGH PERFORMANCE POLYAMIDE RESIN

DuPont Performance Polymers

Message:

20% Glass Reinforced, Flame Retardant, Non-Halogenated, PPA, High Performance Polyamide

General Information				
UL YellowCard		E41938-100110527		
Filler / Reinforcement		Glass Fiber,20% Filler by Weight		
Additive		Lubricant		
		Mold Release		
Features		Lubricated		
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)		
Part Marking Code (ISO 11469)		>PA6T/66-GF20FR<		
Part Marking Code (SAE J1344)		>PPA-GF20FR<		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.36	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.1	--	%	
Flow	0.30	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	8200	8600	MPa	ISO 527-2
Tensile Stress (Break)	135	120	MPa	ISO 527-2
Tensile Strain (Break)	2.4	2.2	%	ISO 527-2
Flexural Modulus	7800	8200	MPa	ISO 178
Flexural Stress	215	180	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	6.0	--	kJ/m ²	
23°C	6.0	6.0	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	40	30	kJ/m ²	
23°C	40	36	kJ/m ²	

Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	276	--	°C	ISO 75-2/A
Melting Temperature ¹	310	--	°C	ISO 11357-3
CLTE				ISO 11359-2
Flow	2.5E-5	--	cm/cm/°C	
Flow : -40 to 23°C	2.7E-5	--	cm/cm/°C	
Flow : 55 to 160°C	2.1E-5	--	cm/cm/°C	
Transverse	6.8E-5	--	cm/cm/°C	
Transverse : -40 to 23°C	6.4E-5	--	cm/cm/°C	
Transverse : 55 to 160°C	1.0E-4	--	cm/cm/°C	
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	> 1.0E+15	--	ohms·cm	IEC 60093
Electric Strength	42	--	kV/mm	IEC 60243-1
Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flammability Classification				IEC 60695-11-10, -20
0.750 mm	V-0	--		
1.50 mm	V-0	--		
Glow Wire Flammability Index (0.400 mm)	960	--	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (0.400 mm)	725	--	°C	IEC 60695-2-13
Oxygen Index	35	--	%	ISO 4589-2
NOTE				

1. First Heat

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