

Zytel® 70G30HSLR BK099

NYLON RESIN
DuPont Performance Polymers

Message:

30% Glass Reinforced, Heat Stabilized, Hydrolysis Resistant, Polyamide 66

General Information				
UL YellowCard		E41938-234406		
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Additive		Heat Stabilizer		
Features		Heat Stabilized		
Agency Ratings		UL Unspecified Rating		
Processing Method		Injection Molding		
Multi-Point Data		Shear Modulus vs. Temperature (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)		>PA66-GF30<		
Resin ID (ISO 1043)		PA66-GF30		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.37	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.0	--	%	
Flow	0.30	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	10000	7200	MPa	ISO 527-2
Tensile Stress (Break)	195	130	MPa	ISO 527-2
Tensile Strain (Break)	3.0	5.0	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	14	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	75	90	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	12	14	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	253	--	°C	ISO 75-2/A
Melting Temperature ¹	262	--	°C	ISO 11357-3

Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index (CTI)	PLC 1	--		UL 746
Comparative Tracking Index	400	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate ² (1.00 mm)	24	--	mm/min	ISO 3795
Flammability Classification				IEC 60695-11-10, -20
0.750 mm	HB	--		
1.50 mm	HB	--		
Additional Information	Dry	Conditioned		Test Method
Odor	4	--		VDA 270
NOTE				
1.	10°C/min			
2.	SE/B24			

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