

Zytel® FR70G25GWNH WT409

NYLON RESIN

DuPont Performance Polymers

Message:

25% Glass Reinforced, Flame Retardant, Polyamide 66

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 25% filler by weight		
Additive		Flame retardancy		
Features		Flame retardancy		
RoHS Compliance		Contact manufacturer		
Forms		Particle		
Processing Method		Injection molding		
Part Marking Code (ISO 11469)		>PA66-GF25FR(30+40)		
Resin ID (ISO 1043)		PA66-GF25FR(30+40)		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.43	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Transverse flow	0.80	--	%	ISO 294-4
Flow	0.20	--	%	ISO 294-4
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9500	6000	MPa	ISO 527-2
Tensile Stress (Break)	125	73.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0	3.7	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-40°C	4.5	5.2	kJ/m ²	ISO 179/1eA
23°C	3.4	4.7	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	27	34	kJ/m ²	ISO 179/1eU
Notched Izod Impact (23°C)	3.5	--	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	237	--	°C	ISO 75-2/A
Melting Temperature ¹	261	--	°C	ISO 11357-3
Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index	450	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method

Burning Rate ² (1.00 mm)	< 100	--	mm/min	ISO 3795
FMVSS Flammability	B	--		FMVSS 302
Melt Temperature, Optimum	290		°C	
Mold Temperature, Optimum	100		°C	
Drying Recommended	yes			
Hold Pressure Time	3.00		s/mm	
Maximum Screw Tangential Speed	200		mm/sec	
Fill Analysis	Dry	Conditioned	Unit	
Ejection Temperature	210	--	°C	
Injection	Dry	Unit		
Drying Temperature	80		°C	
Drying Time - Desiccant Dryer	2.0 - 4.0		hr	
Suggested Max Moisture	0.20		%	
Processing (Melt) Temp	280 - 300		°C	
Mold Temperature	50 - 90		°C	
Holding Pressure	50.0 - 100		MPa	
NOTE				
1.	10°C/min			
2.	FMVSS 302			

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