

Zytel® PLUS PLS95G35DH1 NC010

NYLON RESIN

DuPont Performance Polymers

Message:

35% Glass Reinforced, Heat Stabilized, Polyamide

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 35% filler by weight		
Additive		heat stabilizer		
		demoulding		
Features		Thermal Stability		
RoHS Compliance		Contact manufacturer		
Forms		Particle		
Processing Method		Injection molding		
Part Marking Code (ISO 11469)		>PA-GF35		
Resin ID (ISO 1043)		PA-GF35		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.43	--	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	20.0	--	cm ³ /10min	ISO 1133
Molding Shrinkage				ISO 294-4
Transverse flow	0.60	--	%	ISO 294-4
Flow	0.10	--	%	ISO 294-4
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	11000	8000	MPa	ISO 527-2
Tensile Stress (Break)	209	148	MPa	ISO 527-2
Tensile Strain (Break)	3.1	5.4	%	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)	76	96	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	249	--	°C	ISO 75-2/A
Melting Temperature ¹	265	--	°C	ISO 11357-3
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	280		°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	275 - 285		°C
Mold Temperature	70 - 120		°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

