

Zytel® PLUS PLS95G40DH1T BK261

NYLON RESIN

DuPont Performance Polymers

Message:

40% Glass Reinforced, Heat Stabilized, Polyamide

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Additive	Heat Stabilizer		
	Mold Release		
Features	Heat Stabilized		
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)	>PA-IGF40<		
Resin ID (ISO 1043)	PA-IGF40		
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.80	%	
Flow	0.30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11300	MPa	ISO 527-2
Tensile Stress (Break)	175	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Flexural Modulus	10000	MPa	ISO 178
Flexural Stress	277	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	16	kJ/m ²	
23°C	21	kJ/m ²	
Charpy Unnotched Impact Strength (23°C)	110	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	263	°C	ISO 11357-3
NOTE			
1.	10°C/min		

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