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Technical Data Sheet

Schulamid E-17391-33 BLK



Polyamide 612

Product Description

43% Glass Fiber Reinforced, UV Stabilized, Nylon 612

Processing Method Injection Molding

Filler/Reinforcement Glass Fiber, 43%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density - Specific Gravity	1.42	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	185	MPa	ASTM D638
Flexural Modulus	11700	MPa	ASTM D790
Tensile Elongation at Break	5	%	ASTM D638
Flexural Strength at Break	261	MPa	ASTM D790
Impact			
Unnotched Izod Impact	No Break		ASTM D4812
Notched Izod Impact	130	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	199	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	211	°C	ASTM D648
Injection Parameters			
Drying Time	2.0 to 4.0	hr	
Drying Temperature	82	°C	
Suggested Max Moisture	0.040 to 0.12	%	
Processing (Melt) Temp	249 to 288	°C	
Mold Temperature	66 to 93	°C	