

Technical Data Sheet

Schulamid FP63E45NANAT



Polyamide 6

Product Description

Schulamid FP63E45NANAT is a Polyamide 6 Glass Fiber, 45% filled material and is typically used in Injection Molding applications.

Processing Method Injection Molding

Forms Pellets

Filler/Reinforcement Glass Fiber, 45%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density - Specific Gravity	1.5	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	165	MPa	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Impact			
Notched Izod Impact	80	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	202	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	210	°C	ASTM D648
Injection Parameters			
	Value	Units	
Drying Time	4.0 to 6.0	hr	
Drying Temperature	71 to 93	°C	
Suggested Max Moisture	0.1	%	
Processing (Melt) Temp	249 to 282	°C	
Front Temperature	249 to 282	°C	
Middle Temperature	249 to 282	°C	
Rear Temperature	249 to 271	°C	
Injection Rate	Moderate-Fast		
Back Pressure	<0.345	MPa	
Mold Temperature	71 to 82	°C	
Cushion	6.35 to 12.7	mm	