

Technical Data Sheet

Schulamid FP63E45GY235GRY



Polyamide 6

Product Description

Schulamid FP63E45GY235GRY 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