

Technical Data Sheet

Schulamid FP62E25HUBKBLK



Polyamide 6

Product Description

25% glass reinforced, heat stabilized, Nylon 6

Processing Method Injection Molding

Forms Pellets

Filler/Reinforcement Glass Fiber, 25%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density - Specific Gravity	1.29	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (23 °C, 3.18 mm)	117	MPa	ASTM D638
Flexural Modulus, (23 °C, 3.18 mm, Tangent)	5860	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C, 3.18 mm)	53	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi), (3.18 mm)	188	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi), (3.18 mm)	207	°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	260 to 293	°C	
Front Temperature	260 to 288	°C	
Middle Temperature	260 to 288	°C	
Rear Temperature	260 to 288	°C	
Injection Rate	Fast		
Back Pressure	<0.345	MPa	
Mold Temperature	82 to 93	°C	
Cushion	6.35 to 12.7	mm	