

(+) 18816996168

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Technical Data Sheet

Schulamid FP62E30BK21BLK



Polyamide 6

Product Description

FP62E30 is a 30% Glass Reinforced Nylon 6

Processing Method Injection Molding

Attribute Good Chemical Resistance; High Strength

Filler/Reinforcement Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density - Specific Gravity	1.36	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Break	145	MPa	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C)	69	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	199	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	215	°C	ASTM D648
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	260 to 282	°C	
Middle Temperature	260 to 282	°C	
Rear Temperature	249 to 282	°C	
Injection Rate	Fast		
Back Pressure	<0.345	MPa	
Mold Temperature	82 to 93	°C	
Cushion	6.35 to 12.7	mm	