

Technical Data Sheet

Schulamid 665E0BK53BLK



Polyamide 66

Product Description

Schulamid 665E0BK53BLK is a Polyamide 66 material and is typically used in Injection Molding applications. Features include: High Impact Resistance.

Processing Method	Injection Molding
Attribute	High Impact Resistance
Forms	Pellets

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density - Specific Gravity	1.07	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	44.1	MPa	ASTM D638
Flexural Modulus, (Tangent)	1850	MPa	ASTM D790
Impact			
Notched Izod Impact	800	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	70	°C	ASTM D648

Injection Parameters	Nominal Value	Units
Drying Time	4	hr
Drying Temperature	71 to 82	°C
Processing (Melt) Temp	271 to 293	°C
Front Temperature	249 to 293	°C
Middle Temperature	249 to 293	°C
Rear Temperature	249 to 293	°C
Injection Rate	Moderate-Fast	
Back Pressure	<0.345	MPa
Mold Temperature	52 to 82	°C
Cushion	3.18 to 6.35	mm