

Technical Data Sheet

Schulamid 663E0HLBKBLK

Polyamide 66

Product Description

Schulamid 663E0HLBKBLK 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	1.1	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	64.1	MPa	ASTM D638
Flexural Modulus, (Tangent)	2480	MPa	ASTM D790
Impact			
Gardner Impact	>36.2	J	ASTM D5420
Notched Izod Impact	210	J/m	ASTM D256
Thermal			
RTI Str	65.6	°C	UL 746B
UL Information			
Flame Rating, (1.5 mm)	HB		UL 94

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