

Technical Data Sheet

Polyflam 55S7103NCBLK

Polycarbonate

Product Description

Polyflam 55S7103NCBLK is a Polycarbonate Glass Fiber, 10% filled material.

Forms	Pellets
Additive	Flame Retardant
Filler/Reinforcement	Glass Fiber, 10%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (300 °C/1.2 kg)	12	g/10 min	ASTM D1238
Density - Specific Gravity	1.26	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	62.1	MPa	ASTM D638
Flexural Modulus, (Tangent)	3310	MPa	ASTM D790
Impact			
Notched Izod Impact	130	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	138	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	141	°C	ASTM D648
RTI Str	93.3	°C	UL 746B
UL Information			
Flame Rating			
(1.5 mm)	V-0		UL 94
(2.5 mm)	5VA		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	4.0 to 6.0	hr
Drying Temperature	121	°C
Processing (Melt) Temp	293 to 321	°C
Front Temperature	282 to 310	°C
Middle Temperature	282 to 310	°C
Rear Temperature	282 to 310	°C
Injection Rate	Slow-Moderate	
Back Pressure	0.345 to 0.689	MPa
Mold Temperature	71 to 104	°C
Cushion	6.35 to 12.7	mm