

Technical Data Sheet

Polyflam 12N5003NCBLK

Polypropylene, Unspecified (PP, Unspecified)

Product Description

Polyflam 12N5003NCBLK is a Polypropylene, Unspecified material.

Forms Pellets
Additive Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	18	g/10 min	ASTM D1238
Density - Specific Gravity	0.938	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	26.2	MPa	ASTM D638
Flexural Modulus, (Tangent)	1170	MPa	ASTM D790
Impact			
Notched Izod Impact	130	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (66 psi)	82.2	°C	ASTM D648
UL Information			
Flame Rating			
(1.5 mm)	V-2		UL 94
(3.0 mm)	V-2		UL 94
UL File Number	E158835		

Injection Parameters	Nominal Value	Units
Drying Time	4	hr
Drying Temperature	82	°C
Nozzle Temperature	177 to 227	°C
Processing (Melt) Temp	182 to 227	°C
Front Temperature	177 to 227	°C
Middle Temperature	177 to 227	°C
Rear Temperature	177 to 216	°C
Injection Rate	Slow-Moderate	
Back Pressure	<0.689	MPa
Mold Temperature	32 to 66	°C
Cushion	6.35 to 12.7	mm