

Technical Data Sheet

Polyflam 14N4003NCBLK

Polypropylene Copolymer



Product Description

Flame Retardant Copolymer Polypropylene

Processing Method Injection Molding

Forms Pellets

Additive Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	10	g/10 min	ASTM D1238
Density - Specific Gravity	0.99	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	24.1	MPa	ASTM D638
Flexural Modulus, (Tangent)	1030	MPa	ASTM D790
Impact			
Notched Izod Impact	150	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (66 psi)	85	°C	ASTM D648
UL Information			
Flame Rating			
(1.5 mm)	V-0		UL 94
(3.0 mm)	V-0		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature, (Desiccant Dryer)	71 to 77	°C
Nozzle Temperature	204 to 227	°C
Processing (Melt) Temp	188 to 227	°C
Front Temperature	199 to 216	°C
Middle Temperature	188 to 216	°C
Rear Temperature	182 to 199	°C
Injection Rate	Moderate	
Back Pressure	0.345 to 0.689	MPa
Mold Temperature	27 to 49	°C