

**Technical Data Sheet**

**Polyflam 14N4003NCBLK**



Polypropylene Copolymer

**Product Description**

Flame Retardant Copolymer Polypropylene

**Processing Method**            Injection Molding

**Forms**                                Pellets

**Additive**                         Flame Retardant

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

<b>Injection Parameters</b>	<b>Nominal Value</b>	<b>Units</b>
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