

Technical Data Sheet

Polyflam 34N3001NCBLK SF

Polybutylene Terephthalate

Product Description

Unreinforced Flame Retardant PBT

Forms Pellets
Additive Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (250 °C/2.16 kg)	10	g/10 min	ASTM D1238
Density - Specific Gravity	1.35	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	53.1	MPa	ASTM D638
Flexural Modulus, (Tangent)	2240	MPa	ASTM D790
Impact			
Gardner Impact	36.2	J	ASTM D3029
Notched Izod Impact	32	J/m	ASTM D256
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, (Desiccant Dryer)	2.0 to 4.0	hr
Drying Temperature, (Desiccant Dryer)	121	°C
Suggested Max Moisture	<0.020	%
Nozzle Temperature	238 to 266	°C
Screw Speed	50 to 80	rpm
Processing (Melt) Temp	238 to 266	°C
Front Temperature	238 to 266	°C
Middle Temperature	238 to 254	°C
Rear Temperature	238 to 249	°C
Injection Rate	Moderate	
Back Pressure	<0.689	MPa
Mold Temperature	66 to 88	°C