

Technical Data Sheet

Polyflam 34N3001NCBLK

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