

Polyflam 34N3001NCBLK

LyondellBasell Industries - Polybutylene Terephthalate

General Information

Product Description

Unreinforced Flame Retardant PBT

General

Additive	• Flame Retardant
Features	• Flame Retardant
Forms	• Pellets

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.35		ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	7700	psi	ASTM D638
Flexural Modulus - Tangent	325000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.60	ft-lb/in	ASTM D256
Gardner Impact	320	in-lb	ASTM D3029
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in		V-0	
0.12 in		V-0	

Processing Information

Injection	Nominal Value	Unit
Drying Temperature - Desiccant Dryer	250	°F
Drying Time - Desiccant Dryer	2.0 to 4.0	hr
Suggested Max Moisture	< 0.020	%
Rear Temperature	460 to 480	°F
Middle Temperature	460 to 489	°F
Front Temperature	460 to 511	°F
Nozzle Temperature	460 to 511	°F
Processing (Melt) Temp	460 to 511	°F
Mold Temperature	151 to 190	°F
Injection Rate	Moderate	
Back Pressure	< 99.9	psi
Screw Speed	50 to 80	rpm