

Polyflam 14N4003NCBLK

LyondellBasell Industries - Polypropylene Copolymer

General Information

Product Description

Flame Retardant Copolymer Polypropylene

General

Additive	• Flame Retardant
Features	• Flame Retardant
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.992		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3500	psi	ASTM D638
Flexural Modulus - Tangent	149000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.8	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	185	°F	ASTM D648
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	160 to 171	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	360 to 390	°F
Middle Temperature	370 to 421	°F
Front Temperature	390 to 421	°F
Nozzle Temperature	399 to 441	°F
Processing (Melt) Temp	370 to 441	°F
Mold Temperature	81 to 120	°F
Injection Rate	Moderate	
Back Pressure	50.0 to 99.9	psi