Polyflam 12N4006NCBLK

LyondellBasell Industries - Polypropylene

General Information

Product Description

Medium Flow, High Impact, Flame Retardant Polypropylene

General

Additive	• Flame Retardant	
Features	• Flame Retardant	• High Impact Resistance
Forms	• Pellets	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.940		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.5	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	3000	psi	ASTM D638
Flexural Modulus - Tangent	149000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	No Break		ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	180	°F	ASTM D648
RTI Elec (0.06 to 0.12 in)	239	°F	UL 746B
RTI Imp (0.06 to 0.12 in)	239	°F	UL 746B
RTI Str (0.06 to 0.12 in)	239	°F	UL 746B
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
0.06 in	V-2		
0.12 in	V-2		

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	4.0	hr
Rear Temperature	351 to 421	°F
Middle Temperature	351 to 441	°F
Front Temperature	351 to 441	°F
Nozzle Temperature	351 to 441	°F
Processing (Melt) Temp	360 to 441	°F
Mold Temperature	90 to 151	°F
Injection Rate	Slow-Moderate	
Back Pressure	< 99.9	psi
Cushion	0.250 to 0.500	in