

Polyflam NPP00GT20NA-NA EFFARNAT

LyondellBasell Industries - Polypropylene

General Information

Product Description

Polyflam NPP00GT20NA-NA EFFARNAT is a Polypropylene, Unspecified material and is typically used in Injection Molding applications.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	5000	psi	ASTM D638
Tensile Elongation (Break, 73°F)	40	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F	231000	psi	
Tangent : 73°F	252000	psi	
Flexural Strength (73°F)	6500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.60	ft-lb/in	ASTM D256
Unnotched Izod Impact (73°F)	11	ft-lb/in	ASTM D4812
Gardner Impact (73°F)	10.0	in-lb	ASTM D5420
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	72		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	225	°F	ASTM D648
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	135	°F	
RTI Elec (0.031 in)	149	°F	UL 746B
RTI Imp (0.031 in)	149	°F	UL 746B
RTI Str (0.031 in)	149	°F	UL 746B
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.031 in)	V-0		UL 94

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 3.0	hr
Processing (Melt) Temp	351 to 441	°F
Mold Temperature	86 to 140	°F