

Polyflam 12N6002ND7033BWN

LyondellBasell Industries - Polypropylene Copolymer

General Information

Product Description

Polyflam 12N6002ND7033BWN is a Polypropylene Copolymer material.

General

Additive	• Flame Retardant
Features	• Flame Retardant

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)	18	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F, 0.125 in)	3310	psi	ASTM D638
Tensile Elongation (Yield, 73°F, 0.125 in)	13	%	ASTM D638
Flexural Modulus - Tangent (73°F, 0.125 in)	170000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	2.4	ft-lb/in	ASTM D256
Gardner Impact (73°F, 0.125 in)	170	in-lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
RTI Elec (0.06 in)	239	°F	UL 746B
RTI Imp (0.06 in)	239	°F	UL 746B
RTI Str (0.06 in)	239	°F	UL 746B
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.04 in		V-2	
0.06 in		V-2	
0.12 in		V-2	

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	360 to 441	°F
Mold Temperature	90 to 151	°F
Injection Rate	Slow-Moderate	
Back Pressure	< 99.9	psi
Screw Speed	20 to 60	rpm