

# Polyflam 12N6012ND7033BWN

LyondellBasell Industries - Polypropylene

## General Information

### Product Description

Polyflam 12N6012ND7033BWN is a Polypropylene, Unspecified material.

### General

Material Status	• Commercial: Active
Availability	• North America

## Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.932		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3500	psi	ASTM D638
Tensile Elongation (Yield)	15	%	ASTM D638
Flexural Modulus	160000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.1	ft-lb/in	ASTM D256
Gardner Impact	170	in-lb	ASTM D5420
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-2		UL 94

## 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