

# Polyflam 12N5003NCBLK

LyondellBasell Industries - Polypropylene

## General Information

### Product Description

Polyflam 12N5003NCBLK is a Polypropylene, Unspecified material.

### General

Additive	• Flame Retardant
Features	• Flame Retardant
Forms	• Pellets

## Properties <sup>1</sup>

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)	3800	psi	ASTM D638
Flexural Modulus - Tangent	170000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.4	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	180	°F	ASTM D648
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