

# Polyflam 12N4010NR8031RED

LyondellBasell Industries - Polypropylene

## General Information

### Product Description

Polyflam 12N4010NR8031RED 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	0.930		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	5000	psi	ASTM D638
Flexural Modulus	210000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.51	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	205	°F	ASTM D648
RTI Elec	230	°F	UL 746B
RTI Imp	230	°F	UL 746B
RTI Str	230	°F	UL 746B
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