

# Polyflam PP-60/V2 NATLNAT

## LyondellBasell Industries - Polypropylene Homopolymer

### General Information

#### Product Description

Polyflam PP-60/V2 NATLNAT is a Polypropylene Homopolymer material. Features include: Homopolymer.

#### General

Additive	• Flame Retardant
Features	• Flame Retardant • Homopolymer
Forms	• Pellets

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.960		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	225000	psi	ASTM D638
Tensile Strength (73°F)	5500	psi	ASTM D638
Tensile Elongation (Yield, 73°F)	15	%	ASTM D638
Flexural Modulus - Tangent (73°F)	215000	psi	ASTM D790
Flexural Strength (73°F)	6110	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	0.90	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90 to 95		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	180	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	170	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-2		UL 94

### Processing Information

Injection	Nominal Value	Unit
Drying Temperature	171	°F
Drying Time	2.0	hr
Suggested Max Moisture	0.20	%
Rear Temperature	360 to 390	°F
Middle Temperature	379 to 410	°F
Front Temperature	370 to 399	°F
Nozzle Temperature	360 to 379	°F
Processing (Melt) Temp	379 to 421	°F
Mold Temperature	90 to 160	°F
Injection Rate	Slow-Moderate	
Back Pressure	0.00 to 99.9	psi