Polyflam PP-61/V2 NATLNAT

LyondellBasell Industries - Polypropylene Copolymer

General Information

Product Description

Polyflam PP-61/V2 NATLNAT is a Polypropylene Copolymer material. Features include: Copolymer.

General

Additive	• Flame Retardant	
Features	• Copolymer	• Flame Retardant
Forms	• Pellets	

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)	20	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.020	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (73°F)	190000	psi	ASTM D638
Tensile Strength (73°F)	4000	psi	ASTM D638
Tensile Elongation (Yield, 73°F)	25	%	ASTM D638
Flexural Modulus - Tangent (73°F)	170000	psi	ASTM D790
Flexural Strength (73°F)	4600	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F, 0.125 in)	1.8	ft·lb/in	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	85 to 90		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	160	°F	ASTM D648
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	145	°F	
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