Technical Data Sheet

Polyflam PP-61/V2 NATLNAT

Polypropylene Copolymer

Product Description

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

Attribute	Copolymer
Forms	Pellets
Additive	Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	20	g/10 min	ASTM D1238
Density - Specific Gravity	0.938	g/cm³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	27.6	MPa	ASTM D638
Tensile Elongation at Yield, (23 °C)	25	%	ASTM D638
Flexural Modulus, (23 °C, Tangent)	1170	MPa	ASTM D790
Tensile Modulus, (23 °C)	1310	MPa	ASTM D638
Flexural Strength, (23 °C)	31.7	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C, 3.18 mm)	96	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	85 to 90		ASTM D785
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	62.8	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	71.1	°C	ASTM D648
Additional Information			
Water Absorption at 24 hrs	0.02	%	ASTM D570
UL Information			
Flame Rating, (1.5 mm)	V-2		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	2	hr
Drying Temperature	77	°C
Suggested Max Moisture	0.2	%
Nozzle Temperature	182 to 193	°C
Processing (Melt) Temp	193 to 216	°C
Front Temperature	188 to 204	°C
Middle Temperature	193 to 210	°C
Rear Temperature	182 to 199	°C
Injection Rate	Slow-Moderate	
Back Pressure	0.00 to 0.689	MPa
Mold Temperature	32 to 71	°C