

Technical Data Sheet

Polyfort PP-60/TC/24/D2/HS NATLNAT



Polypropylene, Homopolymer

Product Description

Polyfort PP-60/TC/24/D2/HS NATLNAT is a Polypropylene Homopolymer Talc filled material. Features include: Heat Stabilized, and Homopolymer.

Attribute	Heat Stabilized; Homopolymer
Forms	Pellets
Additive	Heat Stabilizer
Filler/Reinforcement	Talc

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	ASTM D1238
Density - Specific Gravity	1.09	g/cm ³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	37.9	MPa	ASTM D638
Flexural Modulus, (23 °C, Tangent)	2900	MPa	ASTM D790
Tensile Elongation at Break, (23 °C)	10	%	ASTM D638
Tensile Modulus, (23 °C)	3000	MPa	ASTM D638
Flexural Strength, (23 °C)	53.1	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C, 3.18 mm)	27	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	75	°C	ASTM D648
Additional Information			
Water Absorption at 24 hrs	0.03	%	ASTM D570

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	199 to 232	°C
Front Temperature	182 to 199	°C
Middle Temperature	204 to 227	°C
Rear Temperature	199 to 210	°C
Injection Rate	Moderate-Fast	
Back Pressure	0.00 to 0.689	MPa
Mold Temperature	32 to 71	°C