

Polyfort TPP20AC06HB-NANAT

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

Primary end use is for AC/heater blower wheels.

General

Filler / Reinforcement	• Talc, 20% Filler by Weight
Additive	• Heat Stabilizer
Features	• Heat Stabilized • Homopolymer
Uses	• Automotive Applications • Housings • Protective Coverings
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.06		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.7	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	4860	psi	ASTM D638
Tensile Elongation (Break)	24	%	ASTM D638
Flexural Modulus	392000	psi	ASTM D790
Flexural Strength (Yield)	7700	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.69	ft-lb/in	ASTM D256
Unnotched Izod Impact (73°F)	11	ft-lb/in	ASTM D4812
Gardner Impact	6.00	in-lb	ASTM D3029
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	261	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	162	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	399 to 410	°F
Middle Temperature	410 to 415	°F
Front Temperature	415 to 421	°F
Nozzle Temperature	421 to 424	°F
Processing (Melt) Temp	428 to 500	°F
Mold Temperature	86 to 140	°F
Back Pressure	20.0 to 50.0	psi
Screw Speed	100 to 150	rpm
Injection	Nominal Value	Unit
Clamp Tonnage	2.0 to 3.0	tons/in ²