

Polyfort TPP20AE63BK-BKBLK

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

20% Talc filled, heat-stabilized, homopolymer polypropylene containing 25% P.C.R., precolored black.
 Meets/Exceeds Ford Engineering Specification WSH-M4D293-B2.
 Primary end use is for AC/heater housings.

General

Filler / Reinforcement	• Talc, 21% Filler by Weight
Additive	• Heat Stabilizer
Features	• Heat Stabilized • Homopolymer
Uses	• Housings
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.3	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 73°F)	4390	psi	ISO 527-2
Flexural Modulus	363000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°F	1.1	ft-lb/in ²	
73°F	1.7	ft-lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	248	°F	ISO 75-2/B
Deflection Temperature Under Load 264 psi, Unannealed	160	°F	ISO 75-2/A

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	2.0 to 3.0	hr
Processing (Melt) Temp	428 to 500	°F
Mold Temperature	86 to 140	°F