

Polyfort FIP 40MA K1544 WHI08442

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

40 % mineral filled PP Homopolymer, antistatic

General

Filler / Reinforcement	• Mineral, 40% Filler by Weight
Additive	• Antistatic
Features	• Antistatic • Homopolymer
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	25	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	377000	psi	ISO 527-1/1A/1
Tensile Stress (Yield)	3630	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.2	ft-lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	17	ft-lb/in ²	ISO 179/1eU
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	11900	psi	ISO 2039-1
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	199	°F	ISO 75-2/Bf
Vicat Softening Temperature			
--	205	°F	ISO 306/B50
--	306	°F	ISO 306/A120
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	ohms·cm	IEC 60093

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