

Polyfort PPI MT20 U LE H2 NAT

LyondellBasell Industries - Polypropylene Copolymer

General Information

Product Description

20% talc filled high impact and low emission PP-Copolymer with good UV-stability especially for automotive interior parts

General

Filler / Reinforcement	• Talc, 20% Filler by Weight
Features	• High Impact Resistance • Low Emissions
Processing Method	• Injection Molding

Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	7.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	276000	psi	ISO 178
Flexural Stress	3920	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F	1.9	ft-lb/in ²	
73°F	17	ft-lb/in ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F	33	ft-lb/in ²	
73°F	No Break		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	225	°F	ISO 75-2/Bf
Deflection Temperature Under Load 264 psi, Unannealed	126	°F	ISO 75-2/Af
Vicat Softening Temperature			
--	135	°F	ISO 306/B50
--	273	°F	ISO 306/A50
Flammability	Nominal Value	Unit	Test Method
Burning Rate			
0.0787 in	1.6	in/min	ISO 3795
0.0787 in	1.6	in/min	FMVSS 302
Flammability Classification			IEC 60695-11-10, -20
0.06 in	HB		
0.12 in	HB		

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
Injection	Nominal Value	Unit
Injection Rate	Moderate-Fast	