

Technical Data Sheet

Polyfort PPI MT20 U LE H2 NAT

Polypropylene Copolymer

Product Description

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

Processing Method	Injection Molding
Attribute	High Impact Resistance; Low Emissions
Filler/Reinforcement	Talc, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	7.0	cm ³ /10 min	ISO 1133
Density, (Method A)	1.05	g/cm ³	ISO 1183
Mechanical			
Flexural Modulus	1900	MPa	ISO 178
Flexural Stress	27	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	35	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	4.0	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	No Break		ISO 179
(-30 °C, Type 1, Edgewise)	70	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	57.0	°C	ISO 306
(A (10N), 50 °C/h)	134	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	107	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	52.0	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	40	mm/min	ISO 3795
(2.00 mm)	40	mm/min	FMVSS 302
UL Information			

Flammability Classification

(1.5 mm)	HB	IEC 60695-11-10, - 20
(3.0 mm)	HB	IEC 60695-11-10, - 20

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Injection Rate	Moderate- Fast	
Mold Temperature	30 to 60	°C
