

Technical Data Sheet

Polyfort FPP 40T LE K2274 GRY61465



Polypropylene, Homopolymer

Product Description

40% talc-filled PP-Homopolymercompound, low emission and low odour

Processing Method Injection Molding

Attribute Homopolymer

Filler/Reinforcement Talc, 40%

Resin ID PP-H 40T LE

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	8.0	cm ³ /10 min	ISO 1133
Density, (Method A)	1.25	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break, (Type 1A, 5 mm/min)	3.5	%	ISO 527-2
Tensile Stress at Break, (Type 1A, 5 mm/min)	30.0	MPa	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	4000	MPa	ISO 527-1
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	2.5	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	1.8	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	20	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise)	11	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	90.0	°C	ISO 306
(A (10N), 50 °C/h)	155	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	130	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	90.0	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	48	mm/min	ISO 3795
(2.00 mm)	48	mm/min	FMVSS 302
UL Information			

Flame Rating		
(1.5 mm)	HB	UL 94
(3.0 mm)	HB	UL 94
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
Mold Temperature	30 to 60	°C