Technical Data Sheet

POLYFORT® FPP 1006U - 315 black 73135 EU FORD JA6A

Polypropylene Homopolymer
Engineering Plastics

Product Description
20% talc filled PP Homo Compound, UV stabilized

General	
Filler / Reinforcement	• Talc, 20% Filler by Weight
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PP T20 UV

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.05 g/cm³	1.05 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	14 cm³/10min	14 cm³/10min	ISO 1133
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	377000 psi	2600 MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	4060 psi	28.0 MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	5.0 %	5.0 %	ISO 527-2/1A/50
Flexural Modulus [1]	421000 psi	2900 MPa	ISO 178
Flexural Stress [1]			ISO 178
5.8% Strain	7250 psi	50.0 MPa	
3.5% Strain	6530 psi	45.0 MPa	
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength (73°F (23°C))	1.0 ft·lb/in²	2.1 kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
73°F (23°C)	15 ft·lb/in²	32 kJ/m²	
Notched Izod Impact Strength (73°F (23°C))	1.1 ft·lb/in²	2.3 kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength (73°F (23°C))	11 ft·lb/in²	24 kJ/m²	ISO 180/1U
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Heat Deflection Temperature			
66 psi (0.45 MPa), Unannealed	253 °F	123 °C	ISO 75-2/Bf
264 psi (1.8 MPa), Unannealed	149 °F	65.0 °C	ISO 75-2/Af
Vicat Softening Temperature			
--	306 °F	152 °C	ISO 306/A50
--	199 °F	93.0 °C	ISO 306/B50
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Burning Rate			
0.0787 in (2.00 mm)	1.7 in/min	43 mm/min	ISO 3795
0.0787 in (2.00 mm)	1.7 in/min	43 mm/min	FMVSS 302

Additional Information

1.) Not for use in food contact applications
2.) Not for use in medical or pharmaceutical applications

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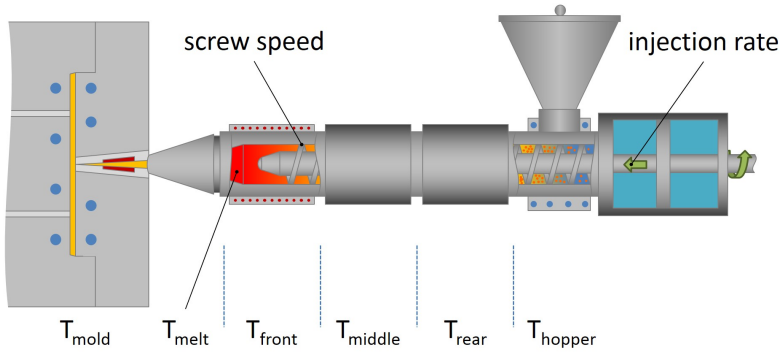

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Suggested Max Regrind	20 %	20 %
Processing (Melt) Temp	446 to 518 °F	230 to 270 °C
Mold Temperature	104 to 158 °F	40 to 70 °C

Injection Notes

Drying normally not necessary.
Injection molding parameters also influence emission properties, which are often required for automotive interior applications. Generally speaking, the emission, odor and fogging behavior of finished parts is improved by lowering the melt temperature, reducing residence time and avoiding high shear stress.