Technical Data Sheet

Ferro Pp TPP20AJ36BK

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

Product Description
Meets/Exceeds Ford Engineering Specification WSS-M4D729-A3. Primary end use is for instrument cluster masks.

General		
Filler / Reinforcement	• Talc, 20% Filler by Weight	
Additive	• Heat Stabilizer	
Features	• Heat Stabilized	• Homopolymer
Automotive Specifications	• FORD WSS-M4D729-A3	
Appearance	• Black	
Forms	• Pellets	
Processing Method	• Injection Molding	

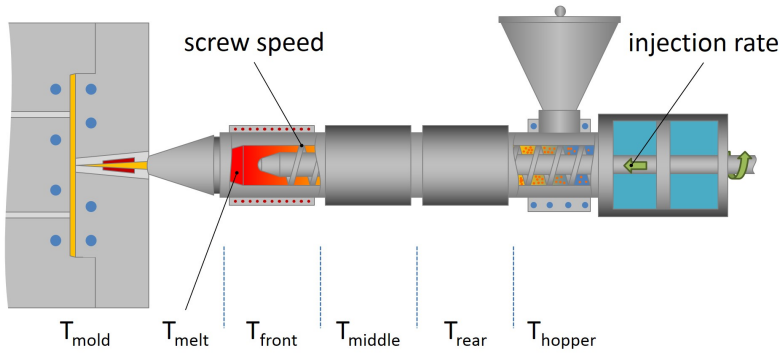
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.06 g/cm³	1.06 g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	18 g/10 min	18 g/10 min	ISO 1133
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Stress (Yield, 73°f (23°c))	4470 psi	30.8 MPa	ISO 527-2
Flexural Modulus	406000 psi	2800 MPa	ISO 178
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact Strength			ISO 180
-40°f (-40°c)	0.86 ft·lb/in²	1.8 kJ/m²	
73°f (23°c)	1.1 ft·lb/in²	2.4 kJ/m²	
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	268 °F	131 °C	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	180 °F	82.0 °C	ISO 75-2/A

Additional Information
Tensile/Izod Change, ISO 188, 1000 hours, 120°C: +13%/+8%

Technical Data Sheet

Ferro Pp TPP20AJ36BK

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics



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
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C

Notes

These are typical property values not to be construed as specification limits.