

**Technical Data Sheet**

***Polyfort* TPP20AJ36BK BLK**



Polypropylene, Homopolymer

**Product Description**

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

<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Heat Stabilized; Homopolymer
<b>Forms</b>	Pellets
<b>Appearance</b>	Black
<b>Additive</b>	Heat Stabilizer
<b>Filler/Reinforcement</b>	Talc, 20%

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	18	g/10 min	ISO 1133
Density, (Method A)	1.06	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Tensile Stress at Yield, (23 °C)	30.8	MPa	ISO 527-2
Flexural Modulus	2800	MPa	ISO 178
<b>Impact</b>			
Notched Izod Impact Strength			
(23 °C)	2.4	kJ/m <sup>2</sup>	ISO 180
(-40 °C)	1.8	kJ/m <sup>2</sup>	ISO 180
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (0.45 MPa)	131	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	82	°C	ISO 75-2/A

<b>Injection Parameters</b>	<b>Nominal Value</b>	<b>Units</b>
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