

Technical Data Sheet

Polyfort TPP20AF20BK BLK



Polypropylene, Homopolymer

Product Description

25% minimum post consumer recycle (P.C.R.) Meets/Exceeds Ford Engineering Specification WSH-M4D293-B2. Primary end use is for AC/heater housings.

Regulatory Status

For regulatory compliance information, see TPP20AF20BK BLK [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Latin America; North America
Processing Method	Injection Molding
Attribute	Heat Stabilized; Homopolymer
Forms	Pellets
Appearance	Black
Additive	Heat Stabilizer
Filler/Reinforcement	Talc, 21%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	10	g/10 min	ISO 1133
Density, (Method A)	1.06	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (23 °C)	30.1	MPa	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Impact			
Notched Izod Impact Strength			
(23 °C)	3.6	kJ/m ²	ISO 180
(-40 °C)	2.4	kJ/m ²	ISO 180
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	118	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	69	°C	ISO 75-2/A



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

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

© LyondellBasell Industries Holdings, B.V. 2018

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.