

Technical Data Sheet

Polyfort TPP40AE62BK-BKBLK



Polypropylene, Homopolymer

Product Description

Meets/Exceeds Ford Engineering Specification WSL-M4D910-A. Primary end use is for fan shrouds.

Regulatory Status

For regulatory compliance information, see TPP40AE62BK-BKBLK [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, 40%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	7.5	g/10 min	ISO 1133
Density, (Method A)	1.28	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (23 °C)	30.5	MPa	ISO 527-2
Flexural Modulus	3400	MPa	ISO 178
Impact			
Notched Izod Impact Strength			
(23 °C)	2.3	kJ/m ²	ISO 180
(-40 °C)	1.6	kJ/m ²	ISO 180
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	135	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	89	°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/>.

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