

Technical Data Sheet

**Ferro Pp VX-34035**

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

General

Material Status	• Commercial: Active	
Availability	• Latin America	• North America
Uses	• Automotive Interior Trim	
Automotive Specifications	• FORD WSB-M4D638-A	
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.900	0.898 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	37 g/10 min	37 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength	3040 psi	21.0 MPa	ASTM D638
Flexural Modulus (4.00 in (102 mm) Span)	190000 psi	1310 MPa	ASTM D790
Flexural Strength (4.00 in (102 mm) Span)	4780 psi	33.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact			ASTM D256
-22°F (-30°C)	1.0 ft·lb/in	53 J/m	
73°F (23°C)	1.8 ft·lb/in	96 J/m	
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-Scale)	73	73	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed, 0.256 in (6.50 mm)	289 °F	143 °C	
264 psi (1.8 MPa), Unannealed, 0.256 in (6.50 mm)	190 °F	88.0 °C	
CLTE - Flow (-22 to 176°F (-30 to 80°C))	4.8E-5 in/in/°F	8.6E-5 cm/cm/°C	ASTM D696
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate	2.1 in/min	54 mm/min	ISO 3795

Additional Information

DuPont Impact, 2mm, 23°C: 27 J
DuPont Impact, 2mm, -30°C: 18 J
Tensile Strength, % Break by Grip: 30%
Burn Rate: t=2mm: 54 mm/min

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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
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.

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.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

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

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