Technical Data Sheet

Ferro Pp VX-34035

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

General	
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/cm³	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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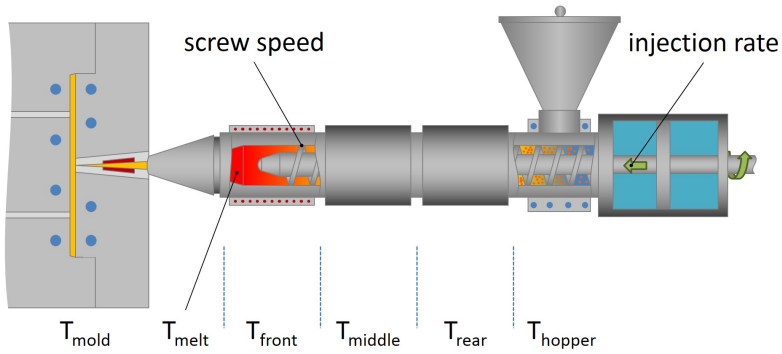

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C

Notes

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