

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/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

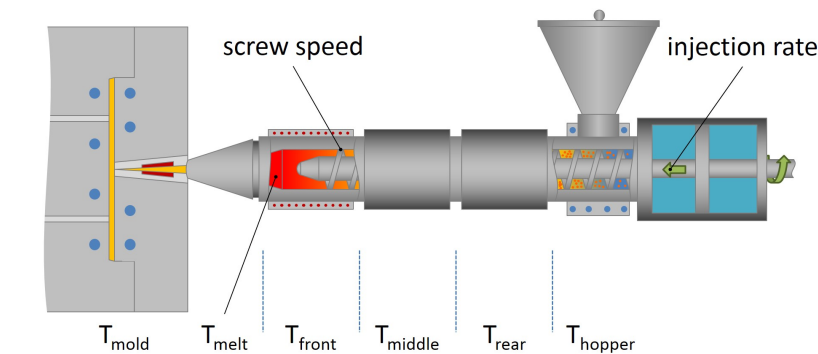
Additional Information

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.

