

Technical Data Sheet

Ferro Pp LPP40YR03WH

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

General

Filler / Reinforcement	• Calcium Carbonate, 40% Filler by Weight
Features	• Copolymer
Forms	• Pellets
Processing Method	• Injection Molding

Physical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.22	1.22 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	4.5 g/10 min	4.5 g/10 min	ASTM D1238

Mechanical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	2400 psi	16.5 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	200 %	200 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	166000 psi	1140 MPa	
Tangent : 73°F (23°C)	190000 psi	1310 MPa	
Flexural Strength (73°F (23°C))	3300 psi	22.8 MPa	ASTM D790

Impact

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	13 ft·lb/in	700 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	No Break	No Break	ASTM D4812
Gardner Impact (73°F (23°C))	260 in·lb	29.4 J	ASTM D5420

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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.