

Technical Data Sheet

Ferro Pp TPP10AN84BK

Polypropylene
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Talc, 11% Filler by Weight
Additive	• Impact Modifier
Features	• Impact Modified
Automotive Specifications	• CALSONIC KANSEI EMS# 4540-90182
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.990	0.988 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	3.5 g/10 min	3.5 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (73°F (23°C))	4000 psi	27.6 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	150 %	150 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	207000 psi	1430 MPa	
Tangent : 73°F (23°C)	227000 psi	1570 MPa	
Flexural Strength (73°F (23°C))	5900 psi	40.7 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	4.5 ft·lb/in	240 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
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	225 °F	107 °C	
264 Psi (1.8 Mpa), Unannealed	130 °F	54.4 °C	

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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.