

Technical Data Sheet

Ferro Pe RPE20HW08WH

Polyethylene
LyondellBasell Industries
Engineering Plastics

General			
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Appearance	• White		
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.10	1.10 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	3.8 g/10 min	3.8 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	5500 psi	37.9 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	3.1 %	3.1 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	333000 psi	2300 MPa	
Tangent : 73°F (23°C)	404000 psi	2790 MPa	
Flexural Strength (Yield, 73°F (23°C))	7300 psi	50.3 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.0 ft·lb/in	53 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	3.9 ft·lb/in	210 J/m	ASTM D4812
Gardner Impact	14.3 in·lb	1.62 J	ASTM D5420

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	256 °F	124 °C	
264 Psi (1.8 Mpa), Unannealed	201 °F	93.9 °C	

Additional Information			
Filler Content, ASTM D2584: 20%			

Notes

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