

Technical Data Sheet

Accutech CP0437G40CL

Polypropylene Copolymer
 LyondellBasell Industries
 Engineering Plastics

General

Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight
Forms	• Pellets

Physical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.19	1.19 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	580000 psi	4000 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	8120 psi	56.0 MPa	
Break	7980 psi	55.0 MPa	
Tensile Elongation			ASTM D638
Yield	5.0 %	5.0 %	
Break	8.0 %	8.0 %	
Flexural Modulus	798000 psi	5500 MPa	ASTM D790
Flexural Strength	11600 psi	80.0 MPa	ASTM D790

Impact

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	3.6 ft·lb/in	190 J/m	ASTM D256

Hardness

	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	82	82	ASTM D785

Thermal

	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	320 °F	160 °C	
264 Psi (1.8 Mpa), Unannealed	284 °F	140 °C	

Additional Information

Ash Content, ASTM D2584: 40%

Notes

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