

Technical Data Sheet

Accutech CP0437M10L

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

General

Filler / Reinforcement	• Mica, 10% Filler by Weight
Forms	• Pellets

Physical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.950	0.948 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	19 g/10 min	19 g/10 min	ASTM D1238

Mechanical

	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	160000 psi	1100 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	2470 psi	17.0 MPa	
Break	1890 psi	13.0 MPa	
Tensile Elongation			ASTM D638
Yield	5.0 %	5.0 %	
Break	27 %	27 %	
Flexural Modulus	160000 psi	1100 MPa	ASTM D790
Flexural Strength	3050 psi	21.0 MPa	ASTM D790

Impact

	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	5.6 ft·lb/in	300 J/m	ASTM D256

Hardness

	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-scale)	51	51	ASTM D785

Thermal

	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	176 °F	80.0 °C	
264 Psi (1.8 Mpa), Unannealed	120 °F	49.0 °C	

Additional Information

Ash Content, ASTM D2584: 10%

Notes

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