

ACCUTECH™ POL050G10HI002L

Polycarbonate
ACLO Compounders Inc.

Message:

ACCUTECH™POL050G10HI002L is a polycarbonate (PC) product that contains a 10% glass fiber reinforced material. It is available in North America. Typical application areas are: water pipes/pipes/drinking water. The main characteristics are: impact resistance.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Impact resistance, high		
Agency Ratings	NSF 61		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	11	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ASTM D638
Tensile Strength (Yield)	80.0	MPa	ASTM D638
Tensile Elongation (Break)	8.0	%	ASTM D638
Flexural Modulus	3500	MPa	ASTM D790
Flexural Strength	120	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	143	°C	ASTM D648
1.8 MPa, not annealed	136	°C	ASTM D648
Additional Information			

Ash Content, ASTM D2584: 10%

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Recommended distributors for this material

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