

ACCUTECH™ POL050G40L

Polycarbonate
ACLO Compounders Inc.

Message:

ACCUTECH™POL050G40L is a polycarbonate (PC) product that contains a 40% glass fiber reinforced material. It is available in North America.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.10	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	119		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5500	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	140	MPa	ASTM D638
Fracture	139	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	4.0	%	ASTM D638
Fracture	6.0	%	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Flexural Strength	215	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	180	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	145	°C	ASTM D648
1.8 MPa, not annealed	140	°C	ASTM D648
Additional Information			

Ash Content, ASTM D2584: 40%

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Recommended distributors for this material

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