

CALP GF1010A

Polyolefin

Lion Idemitsu Composites Co., Ltd.

Message:

CALP GF1010A is a Polyolefin product filled with glass fiber. It can be processed by injection molding and is available in Asia Pacific. Primary characteristic: food contact acceptable.

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Food Contact Acceptable		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.970	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	5.0	g/10 min	ASTM D1238
Molding Shrinkage	Internal Method		
Flow : 2.00 mm	0.80	%	
Across Flow : 2.00 mm	1.1	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	104		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	58.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	2650	MPa	ASTM D790
Flexural Strength	70.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	7.00	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	155	°C	ASTM D648

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