

# CALP GF2010A

Polyolefin

Lion Idemitsu Composites Co., Ltd.

## Message:

CALP GF2010A is a Polyolefin product filled with glass fiber. It can be processed by injection molding and is available in Asia Pacific.

Characteristics include:

Flame Rated

Food Contact Acceptable

General Information			
UL YellowCard	E220017-266480		
Filler / Reinforcement	Glass Fiber		
Features	Food Contact Acceptable		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	3.0	g/10 min	ASTM D1238
Molding Shrinkage			Internal Method
Flow : 2.00 mm	0.50	%	
Across Flow : 2.00 mm	1.0	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	89.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	4200	MPa	ASTM D790
Flexural Strength	109	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	9.50	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	162	°C	ASTM D648
RTI Elec	65.0	°C	UL 746
RTI Imp	65.0	°C	UL 746
RTI Str	65.0	°C	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94

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