

CALP MRP312

Polyolefin

Lion Idemitsu Composites Co., Ltd.

Message:

CALP MRP312 is a Polyolefin product filled with mica. It can be processed by injection molding and is available in Asia Pacific.

General Information			
Filler / Reinforcement	Mica		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	2.3	g/10 min	ASTM D1238
Molding Shrinkage			Internal Method
Flow : 2.00 mm	0.10	%	
Across Flow : 2.00 mm	0.20	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	117		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	107	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	6500	MPa	ASTM D790
Flexural Strength	144	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	5.00	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	109	°C	ASTM D648

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Recommended distributors for this material

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