

CALP MRP4110

Polyolefin

Lion Idemitsu Composites Co., Ltd.

Message:

CALP MRP4110 is a Polyolefin product filled with mica. It can be processed by injection molding and is available in Asia Pacific.

Characteristics include:

High Strength

Impact Resistant

General Information			
Filler / Reinforcement	Mica		
Features	High Impact Resistance		
	High Strength		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	9.0	g/10 min	ASTM D1238
Molding Shrinkage			Internal Method
Flow : 2.00 mm	0.70	%	
Across Flow : 2.00 mm	1.1	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	109		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	58.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	4100	MPa	ASTM D790
Flexural Strength	82.0	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)	158	°C	ASTM D648

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