

# CALP MRP431

Polyolefin

Lion Idemitsu Composites Co., Ltd.

Message:

CALP MRP431 is a Polyolefin product filled with mica. It can be processed by injection molding and is available in Asia Pacific.

Characteristics include:

- Flame Rated
- 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	1.23	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	5.0	g/10 min	ASTM D1238
Molding Shrinkage	Internal Method		
Flow : 2.00 mm	0.40	%	
Across Flow : 2.00 mm	0.60	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	111		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	71.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	9100	MPa	ASTM D790
Flexural Strength	104	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	5.00	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	161	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	HB	UL 94	

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Recommended distributors for this material

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