

CALP HG1000

Polypropylene

Lion Idemitsu Composites Co., Ltd.

Message:

CALP HG1000 is a Polypropylene product. It can be processed by injection molding and is available in Asia Pacific. Primary characteristic: flame rated.

General Information			
UL YellowCard	E220017-266482		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	4.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	0.50	g/10 min	ASTM D1238
Molding Shrinkage	Internal Method		
Flow : 2.00 mm	0.80	%	
Across Flow : 2.00 mm	0.80	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	92		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	26.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	4500	MPa	ASTM D790
Flexural Strength	45.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	6.40	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load	ASTM D648		
0.45 MPa, Unannealed	124	°C	
1.8 MPa, Unannealed	75.0	°C	
RTI Elec	65.0	°C	UL 746
RTI Imp	65.0	°C	UL 746
RTI Str	65.0	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	HB	UL 94	

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