

CALP 1450G

Polyolefin

Lion Idemitsu Composites Co., Ltd.

Message:

CALP 1450G is a Polyolefin product. It can be processed by injection molding and is available in Asia Pacific. Primary characteristic: flame rated.

General Information			
UL YellowCard	E220017-266424	E220017-266427	
Features	General Purpose		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	12	g/10 min	ASTM D1238
Molding Shrinkage			Internal Method
Flow : 2.00 mm	1.4	%	
Across Flow : 2.00 mm	1.3	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	97		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	29.0	MPa	ASTM D638
Tensile Elongation (Break)	92	%	ASTM D638
Flexural Modulus	2210	MPa	ASTM D790
Flexural Strength	43.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	4.40	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	128	°C	ASTM D648
Ball Pressure Test (140°C)	Pass		Internal Method
RTI Elec	105	°C	UL 746
RTI Imp	105	°C	UL 746
RTI Str	105	°C	UL 746
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	HB	UL 94	

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