

CALP 4600G

Polyolefin

Lion Idemitsu Composites Co., Ltd.

Message:

CALP 4600G is a Polyolefin product. It can be processed by injection molding and is available in Asia Pacific.

Characteristics include:

Flame Rated

Food Contact Acceptable

Heat Resistant

High Stiffness

General Information			
UL YellowCard	E220017-266443		
Features	Food Contact Acceptable		
	High Heat Resistance		
	High Stiffness		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	16	g/10 min	ASTM D1238
Molding Shrinkage			Internal Method
Flow : 2.00 mm	1.1	%	
Across Flow : 2.00 mm	1.2	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	101		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	34.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	5400	MPa	ASTM D790
Flexural Strength	57.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	3.20	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	142	°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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