

CALP 3522G-1

Polyolefin

Lion Idemitsu Composites Co., Ltd.

Message:

CALP 3522G-1 is a Polyolefin product. It can be processed by injection molding and is available in Asia Pacific.

Characteristics include:

- Flame Rated
- Food Contact Acceptable
- High Gloss

General Information			
Features	Food Contact Acceptable		
	High Gloss		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.990	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	15	g/10 min	ASTM D1238
Molding Shrinkage			Internal Method
Flow : 2.00 mm	1.6	%	
Across Flow : 2.00 mm	1.7	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	106		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	38.0	MPa	ASTM D638
Tensile Elongation (Break)	15	%	ASTM D638
Flexural Modulus	2250	MPa	ASTM D790
Flexural Strength	53.0	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)	135	°C	ASTM D648
Ball Pressure Test (150°C)	Pass		Internal Method
RTI Elec	120	°C	UL 746
RTI Imp	120	°C	UL 746
RTI Str	120	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Optical	Nominal Value		Test Method
Gloss	87		ASTM D2457

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