

CALP FR970-1

Polyolefin

Lion Idemitsu Composites Co., Ltd.

Message:

CALP FR970-1 is a Polyolefin product. It can be processed by injection molding and is available in Asia Pacific.

Characteristics include:

- Flame Rated
- Flame Retardant
- Halogen Free

General Information			
Features	Bromine Free		
	Flame Retardant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.01	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	23	g/10 min	ASTM D1238
Molding Shrinkage	Internal Method		
Flow : 2.00 mm	1.2	%	
Across Flow : 2.00 mm	1.4	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	20.0	MPa	ASTM D638
Tensile Elongation (Break)	28	%	ASTM D638
Flexural Modulus	1670	MPa	ASTM D790
Flexural Strength	33.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	4.90	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	123	°C	ASTM D648
Ball Pressure Test (150°C)	Pass		Internal Method
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)	V-0	UL 94	

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