

CALP FR812-1

Polyolefin

Lion Idemitsu Composites Co., Ltd.

Message:

CALP FR812-1 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	Flame Retardant		
	Halogen Free		
	Low (to None) Phosphorus Content		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	21	g/10 min	ASTM D1238
Molding Shrinkage			Internal Method
Flow : 2.00 mm	1.1	%	
Across Flow : 2.00 mm	1.3	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	57		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	15.0	MPa	ASTM D638
Tensile Elongation (Break)	64	%	ASTM D638
Flexural Modulus	1420	MPa	ASTM D790
Flexural Strength	25.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area) (23°C)	28.0	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	109	°C	ASTM D648
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 (1.20 mm)	V-2	UL 94	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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