

Leona™ FH772

Polyamide 66

Asahi Kasei Chemicals Corporation

Message:

Leona™ FH772 is a Polyamide 66 (Nylon 66) product filled with glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, or North America.
Typical application: Electrical/Electronic Applications.
Characteristics include:
Flame Rated
Flame Retardant
Halogen Free
Heat Stabilizer

General Information	
Filler / Reinforcement	Glass Fiber
Additive	Flame Retardant
	Heat Stabilizer
Features	Flame Retardant
	Halogen Free
	Heat Stabilized
Uses	Connectors
	Electrical Parts
	Electrical/Electronic Applications
	Switches

Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.41	--	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage				Internal Method
Across Flow	1.2	--	%	
Flow	0.40	--	%	
Water Absorption				
Saturation, 23°C	--	1.3	%	
Equilibrium, 23°C, 50% RH	--	1.3	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	9800	6700	MPa	ISO 527-2
Tensile Stress				
Break, 23°C	136	94.0	MPa	ISO 527-2
--	150	--	MPa	ASTM D638
Tensile Elongation				
Break	2.3	--	%	ASTM D638

Break, 23°C	3.0	5.0	%	ISO 527-2
Flexural Modulus				
--	9300	--	MPa	ASTM D790
23°C	9600	6600	MPa	ISO 178
Flexural Strength				
--	220	--	MPa	ASTM D790
23°C	209	154	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	8.0	10	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	58	58	kJ/m ²	ISO 179
Notched Izod Impact	75	--	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	258	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	248	--	°C	ASTM D648
1.8 MPa, Unannealed	241	--	°C	ISO 75-2/A
CLTE - Flow	3.0E-5	--	cm/cm/°C	ASTM D696
Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index (3.00 mm)	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.750 mm)	V-0	--		UL 94
Glow Wire Flammability Index (3.00 mm)	960	--	°C	IEC 60695-2-12

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT