

【Inquiries】

AsahiKASEI Engineering Plastics Information Comprehensive Site
URL : <https://www.asahi-kasei-plastics.com/en/contact/>

AsahiKASEI



LEONA™ SH10E M120530

Asahi Kasei Corporation - Polyamide 66 + PA 6I

Tuesday, March 19, 2024

General Information

General	
Material Status	• Commercial: Active ¹
Availability	• Africa & Middle East • Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber, 55% Filler by Weight
Additive	• Flame Retardant
Features AKEP website	• Flame Retardant • Good appearance • Halogenated • High Strength in Wet
Uses	• Connectors • Electrical Parts • Electrical/Electronic Applications • Switches
Part Marking Code (ISO11469) (ISO 11469)	• >PA66+6I-GF55 FR(17)<

Other Documentation

- Literature
- [Moldflow Data](#)
 - [Molding Conditions](#)
 - [SDS](#)
 - [Technical Handbook](#)

ASTM & ISO Properties ²

Physical	Dry	Conditioned	Unit	Test Method
Density	1.86	--	g/cm ³	ISO 1183
Molding Shrinkage				Internal Method
Across Flow	0.60	--	%	
Flow	0.20	--	%	
Water Absorption				ISO 62
Equilibrium, 23°C, 50% RH	--	0.70	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	22600	22600	MPa	ISO 527-1
Tensile Stress (Break, 23°C)	238	209	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.4	1.4	%	ISO 527-2
Flexural Modulus (23°C)	22000	22000	MPa	ISO 178
Flexural Stress (23°C)	365	320	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	18	18	kJ/m ²	ISO 179

Disclaimer:

- Data shown are typical values obtained by proper testing methods and should not be used for specification purpose. Please use these data for selecting the most appropriate grade suitable for specific usage.

These data may be changed because of improvement in properties.

- Be sure to read the relevant SDS before handling and use, and always follow the Important Precautions.

- Do not use plastics in any of the following orally- or medically-related applications.

- Orally-related applications: any part, device or component which may come into direct oral contact or into direct contact with drinking foods or beverages.

For drinking water application, please consult Asahi Kasei Corporation.

- Medically-related applications: any part, device or component which may be used intracorporeally or which may in dialysis or other processes come into direct or indirect contact with body tissue, body fluids or transfusion fluids.

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Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	233	--	°C	ISO 75-2/A
Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index	300	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.5 mm, white)	V-0	--		UL 94

Processing Information

Injection	Dry	Unit
Drying Temperature - Vacuum Dryer	80 to 90	°C
Drying Time - Vacuum Dryer	2.0 to 3.0	hr
Processing (Melt) Temp	275 to 290	°C
Mold Temperature	110 to 130	°C

Notes¹ All data is provisional.² Typical properties: these are not to be construed as specifications.**Disclaimer:**

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