

LEONA™ SH10E M120530

Asahi Kasei Corporation - Polyamide 66 + PA 6I

General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active ¹
Availability	<ul style="list-style-type: none"> Africa & Middle East Asia Pacific Europe North America
Filler / Reinforcement	<ul style="list-style-type: none"> Glass Fiber, 55% Filler by Weight
Additive	<ul style="list-style-type: none"> Flame Retardant
Features	<ul style="list-style-type: none"> Flame Retardant Halogenated Humidity Independent Pleasing Surface Appearance
Uses	<ul style="list-style-type: none"> Connectors Electrical Parts Electrical/Electronic Applications Switches
Part Marking Code (ISO 11469)	<ul style="list-style-type: none"> >PA66+6I-GF55 FR(17)<

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 (Equilibrium, 73°F, 50% RH)	--	0.70	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (73°F)	3.28E+6	3.28E+6	psi	ISO 527-1
Tensile Stress (Break, 73°F)	34500	30300	psi	ISO 527-2
Tensile Strain (Break, 73°F)	1.4	1.4	%	ISO 527-2
Flexural Modulus (73°F)	3.19E+6	3.19E+6	psi	ISO 178
Flexural Stress (73°F)	52900	46400	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	8.6	8.6	ft·lb/in ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	451	--	°F	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 (0.06 in, white)	V-0	--		UL 94

Processing Information

Injection	Dry Unit
Drying Temperature - Vacuum Dryer	176 to 194 °F
Drying Time - Vacuum Dryer	2.0 to 3.0 hr
Processing (Melt) Temp	527 to 554 °F
Mold Temperature	230 to 266 °F

Notes
¹ All data is provisional.

² Typical properties: these are not to be construed as specifications.
