

LEONA™ SG114 Na

Asahi Kasei Corporation - Polyamide 66 + PA 6I

General Information

General

Material Status	• Commercial: Active ¹	
Availability	• Africa & Middle East • Asia Pacific	• Europe • North America
Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight	
Additive	• Heat Stabilizer	
Features	• High Flow • High Stiffness	• High Strength • Pleasing Surface Appearance
Uses	• Automotive Applications • Automotive Interior Parts	• Electrical/Electronic Applications • Industrial Applications
Appearance	• Natural Color	
Part Marking Code (ISO 11469)	• >PA66+6I-GF40<	

Properties ²

Physical	Dry	Conditioned	Unit	Test Method
Density	1.47	--	g/cm ³	ISO 1183
Molding Shrinkage				Internal Method
Across Flow	0.70	--	%	
Flow	0.20	--	%	
Water Absorption (Equilibrium, 73°F, 50% RH)	--	1.5	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (73°F)	2.13E+6	1.99E+6	psi	ISO 527-1
Tensile Stress (Break, 73°F)	36000	29600	psi	ISO 527-2
Tensile Strain (Break, 73°F)	3.0	3.0	%	ISO 527-2
Flexural Modulus (73°F)	1.96E+6	1.81E+6	psi	ISO 178
Flexural Stress (73°F)	50800	45000	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	7.4	7.1	ft·lb/in ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	482	--	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	455	--	°F	ISO 75-2/A

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	536 to 572 °F
Mold Temperature	212 to 248 °F

Notes

¹ All data is provisional.

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

