

LEONA™ SN103 *33J8

Asahi Kasei Corporation - Polyamide 66 + PA 6I

General Information

General			
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Features AKEP website	• Flame Retardant • Good appearance	• Halogen Free • High Strength in Wet	• Tracking Resistant
Uses	• Automotive Applications • Automotive Interior Parts	• Electrical/Electronic Applications • Industrial Applications	
Agency Ratings	• EN 45545 R22/R23 HL3		
Part Marking Code (ISO11469) (ISO 11469)	• >PA66+6I-GF30 FR(40)<		

ASTM & ISO Properties ²

Physical	Dry	Conditioned	Unit	Test Method
Density	1.41	--	g/cm ³	ISO 1183
Molding Shrinkage				Internal Method
Across Flow	1.0	--	%	
Flow	0.20	--	%	
Water Absorption				ISO 62
Equilibrium, 23°C, 50% RH	--	1.7	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	11600	11200	MPa	ISO 527-1
Tensile Stress (Break, 23°C)	163	137	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.2	2.2	%	ISO 527-2
Flexural Modulus (23°C)	11300	10700	MPa	ISO 178
Flexural Stress (23°C)	244	213	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	10	10	kJ/m ²	ISO 179



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Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (M-Scale)	102	98		ISO 2039-2
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
0.45 MPa, Unannealed	258	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	241	--	°C	ISO 75-2/A
Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.75 mm, BK)	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	280 to 290	°C	
Mold Temperature	85 to 95	°C	

Notes

- ¹ All data is provisional.
- ² Typical properties: these are not to be construed as specifications.

