

LEONA™ SN103 *33J8

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, 30% Filler by Weight		
Features	• Flame Retardant • Halogen Free	• Humidity Independent • Pleasing Surface Appearance	• Tracking Resistant
Uses	• Automotive Applications • Automotive Interior Parts	• Electrical/Electronic Applications • Industrial Applications	
Appearance	• Black		
Part Marking Code (ISO 11469)	• >PA66+6I-GF30 FR(40)<		

Properties ²

Physical	Dry	Conditioned	Unit	Test Method
Density	1.43	--	g/cm ³	ISO 1183
Molding Shrinkage				Internal Method
Across Flow	1.0	--	%	
Flow	0.20	--	%	
Water Absorption (Equilibrium, 73°F, 50% RH)	--	1.6	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (73°F)	1.67E+6	1.61E+6	psi	ISO 527-1
Tensile Stress (Break, 73°F)	23600	19900	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.3	2.2	%	ISO 527-2
Flexural Modulus (73°F)	1.60E+6	1.57E+6	psi	ISO 178
Flexural Stress (73°F)	36000	30900	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	4.9	4.8	ft·lb/in ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	496	--	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	466	--	°F	ISO 75-2/A
CLTE - Flow	8.3E-6	--	in/in/°F	ASTM D696
CLTE - Transverse	4.7E-5	--	in/in/°F	ASTM D696
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.2E+14	--	ohms·m	IEC 62631-3-1
Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.030 in, BK)	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	536 to 554 °F
Mold Temperature	185 to 203 °F

