

LEONA™ SN11B Na

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 	<ul style="list-style-type: none"> Europe North America 	
Filler / Reinforcement	<ul style="list-style-type: none"> Glass Fiber, 25% Filler by Weight 		
Additive	<ul style="list-style-type: none"> Heat Stabilizer 		
Features	<ul style="list-style-type: none"> Flame Retardant Halogen Free 	<ul style="list-style-type: none"> Humidity Independent Pleasing Surface Appearance 	<ul style="list-style-type: none"> Tracking Resistant
Uses	<ul style="list-style-type: none"> Automotive Applications Automotive Interior Parts 	<ul style="list-style-type: none"> Electrical/Electronic Applications Industrial Applications 	
Appearance	<ul style="list-style-type: none"> Natural Color 		
Part Marking Code (ISO 11469)	<ul style="list-style-type: none"> >PA66+6I-GF25 FR(40)< 		

Properties ²

Physical	Dry	Conditioned	Unit	Test Method
Density	1.40	--	g/cm ³	ISO 1183
Molding Shrinkage				Internal Method
Across Flow	1.0	--	%	
Flow	0.20	--	%	
Water Absorption (Equilibrium, 73°F, 50% RH)	--	1.8	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (73°F)	1.45E+6	1.32E+6	psi	ISO 527-1
Tensile Stress (Break, 73°F)	23600	19300	psi	ISO 527-2
Tensile Strain (Break, 73°F)	3.0	2.9	%	ISO 527-2
Flexural Modulus (73°F)	1.31E+6	1.25E+6	psi	ISO 178
Flexural Stress (73°F)	36000	30700	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	5.5	5.5	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)	464	--	°F	ISO 75-2/A
CLTE - Flow	1.0E-5	--	in/in/°F	ASTM D696
CLTE - Transverse	4.9E-5	--	in/in/°F	ASTM D696
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.1E+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)	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	176 to 212 °F

