

LEONA™ 14G30 *33D4

Asahi Kasei Corporation - Polyamide 66

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, 30% Filler by Weight
Additive	<ul style="list-style-type: none"> Heat Stabilizer
Features	<ul style="list-style-type: none"> Heat Stabilized
Uses	<ul style="list-style-type: none"> Automotive Applications Automotive Under the Hood Electrical/Electronic Applications Structural Parts
Automotive Specifications	<ul style="list-style-type: none"> FORD WSK-M4D752-A Color: BK GM GMP.PA66.040 Color: BK GM GMW3038P-PA66-GF30H Color: BK GM GMW3038P-PA66-GF30J Color: BK
Part Marking Code (ISO 11469)	<ul style="list-style-type: none"> >PA66-GF30<

Properties ²

Physical	Dry	Conditioned	Unit	Test Method
Density	1.36	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.0	--	%	
Flow	0.40	--	%	
Water Absorption (Equilibrium, 73°F, 50% RH)	--	1.8	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (73°F)	1.52E+6	1.07E+6	psi	ISO 527-1
Tensile Stress (Break, 73°F)	29300	19600	psi	ISO 527-2
Tensile Strain (Break, 73°F)	3.0	6.0	%	ISO 527-2
Flexural Modulus (73°F)	1.36E+6	1.03E+6	psi	ISO 178
Flexural Stress (73°F)	43500	31600	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	6.2	7.6	ft·lb/in ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	500	--	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	484	--	°F	ISO 75-2/A
CLTE - Flow (73 to 131°F)	1.7E-5	--	in/in/°F	ASTM D696
CLTE - Transverse (73 to 131°F)	5.0E-5	--	in/in/°F	ASTM D696
Electrical	Dry	Conditioned	Unit	Test Method
Electric Strength	1100	--	V/mil	IEC 60243-1
Comparative Tracking Index	500	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.030 in)	HB	--		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 563 °F
Mold Temperature	167 to 185 °F

