LEONA™ 14G35 *33E1

Asahi Kasei Corporation - *Polyamide 66*

General Information

General			
Material Status	• Commercial: Active [1]		
Availability	• Africa & Middle East • Asia Pacific	• Europe • North America	
Filler / Reinforcement	• Glass Fiber, 35% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Heat Stabilized		
Uses	• Automotive Applications • Automotive Under the Hood	• Electrical/Electronic Applications • Structural Parts	
Automotive Specifications	• GM GMW3038P-PA66-GF35H Color: Black	• GM GMW3038P-PA66-GF35J Color: Black	• STELLANTIS MS-DB-41 CPN 1900 Color: Black
Part Marking Code (ISO 11469)	• >PA66-GF35<		

Properties [2]

Physical	Dry	Conditioned	Unit	Test Method
Density	1.41	--	g/cm³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.0	--	%	
Flow	0.30	--	%	
Water Absorption (Equilibrium, 73°F, 50% RH)	--	1.7	%	ISO 62
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus (73°F)	1.70E+6	1.25E+6	psi	ISO 527-1
Tensile Stress (Break, 73°F)	30500	21600	psi	ISO 527-2
Tensile Strain (Break, 73°F)	3.0	5.0	%	ISO 527-2
Flexural Modulus (73°F)	1.62E+6	1.25E+6	psi	ISO 178
Flexural Stress (73°F)	45800	34100	psi	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength	6.7	8.1	ft·lb/in²	ISO 179
Charpy Unnotched Impact Strength	44	--	ft·lb/in²	ISO 179
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	502	--	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	486	--	°F	ISO 75-2/A
CLTE - Flow	1.1E-5	--	in/in/°F	ASTM D696
CLTE - Transverse	4.4E-5	--	in/in/°F	ASTM D696
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Dielectric Strength	1100	--	V/mil	IEC 60243-1
Comparative Tracking Index	500	--	V	IEC 60112

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