LEONA™ 14G50 *3363

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, 50% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Heat Stabilized		
Uses	• Automotive Applications	• Electrical/Electronic Applications	• Structural Parts
Appearance	• Black		
Part Marking Code (ISO 11469)	• >PA66-GF50<		

Properties [2]

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (73°F)	2.47E+6	1.75E+6	psi	ISO 527-1
Tensile Stress (Yield, 73°F)	--	22900	psi	ISO 527-2
Tensile Stress (Break, 73°F)	32900	22800	psi	ISO 527-2
Tensile Strain (Yield, 73°F)	--	4.0	%	ISO 527-2
Tensile Strain (Break, 73°F)	2.0	4.0	%	ISO 527-2
Flexural Modulus (73°F)	2.36E+6	1.80E+6	psi	ISO 178
Flexural Stress (73°F)	49500	37400	psi	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength	6.7	7.6	ft·lb/in²	ISO 179
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load (264 psi, Unannealed)	491	--	°F	ISO 75-2/A

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

Notes

[1] All data is provisional.

[2] Typical properties: these are not to be construed as specifications.