LEONA™ 14G30 *33G7

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, 30% Filler by Weight	
Additive	• Heat Stabilizer	
Features	• Heat Stabilized	
Uses	• Automotive Applications • Automotive Under the Hood	• Electrical/Electronic Applications • Structural Parts
Appearance	• Black	
Part Marking Code (ISO 11469)	• >PA66-GF30<	

Properties [2]

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (73°F)	1.41E+6	986000	psi	ISO 527-1
Tensile Stress (Yield, 73°F)	--	17400	psi	ISO 527-2
Tensile Stress (Break, 73°F)	27700	16800	psi	ISO 527-2
Tensile Strain (Yield, 73°F)	--	4.0	%	ISO 527-2
Tensile Strain (Break, 73°F)	3.0	6.0	%	ISO 527-2
Flexural Modulus (73°F)	1.36E+6	972000	psi	ISO 178
Flexural Stress (73°F)	41600	29000	psi	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength	4.8	6.2	ft·lb/in²	ISO 179
Charpy Unnotched Impact Strength	31	--	ft·lb/in²	ISO 179
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
CLTE - Flow (-40 to 302°F)	1.3E-5	--	in/in/°F	ASTM E831
CLTE - Transverse (-40 to 302°F)	4.2E-5	--	in/in/°F	ASTM E831

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.