LEONA™ 13G30 *3358

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		
Uses	• Automotive Applications	• Electrical/Electronic Applications	• Structural Parts
Appearance	• Black		
Part Marking Code (ISO 11469)	• >PA66-GF30<		

Properties [2]

Physical	Dry	Conditioned	Unit	Test Method
Density / Specific Gravity	1.37	--		ASTM D792
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus (73°F)	1.36E+6	--	psi	ISO 527-1
Tensile Stress (Yield)	--	17800	psi	ISO 527-2
Tensile Stress (Break, 73°F)	25200	17500	psi	ISO 527-2
Tensile Strain (Yield)	--	4.0	%	ISO 527-2
Tensile Strain (Break, 73°F)	3.0	5.0	%	ISO 527-2
Flexural Modulus (73°F)	1.33E+6	1.02E+6	psi	ISO 178
Flexural Stress (73°F)	38100	28300	psi	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength	5.2	--	ft·lb/in²	ISO 179
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	505	--	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	482	--	°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.