LEONA™ 1422S *33H4

Asahi Kasei Corporation - *Polyamide 66*

General Information

General		
Material Status	• Commercial: Active [1]	
Availability	• Africa & Middle East • Asia Pacific	• Europe • North America
Additive	• Heat Stabilizer	
Features	• Heat Stabilized	
Uses	• Automotive Applications • Connectors	• Consumer Applications • Wire & Cable Applications
Appearance	• Black	
Part Marking Code (ISO 11469)	• >PA66<	

Properties [2]

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (73°F)	435000	--	psi	ISO 527-1
Tensile Stress (Yield)	12000	--	psi	ISO 527-2
Tensile Stress (Break, 73°F)	7400	--	psi	ISO 527-2
Tensile Strain (Yield)	4.0	--	%	ISO 527-2
Tensile Strain (Break, 73°F)	46	--	%	ISO 527-2
Flexural Modulus (73°F)	450000	--	psi	ISO 178
Flexural Stress (73°F)	17300	--	psi	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength	2.9	--	ft·lb/in²	ISO 179
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	381	--	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	158	--	°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	518 to 554	°F
Mold Temperature	167 to 185	°F

Notes

[1] All data is provisional.

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