

Leona™ 1330G

Asahi Kasei Corporation - Polyamide 66

General Information

General			
Additive	• Lubricant		
Features	• High Strength	• Low Friction	• Lubricated
Uses	• Automotive Applications • Automotive Under the Hood	• Industrial Applications • Structural Parts	
Part Marking Code (ISO11469) (ISO 11469)	• >PA66+PTFE-GF30<		

ASTM & ISO Properties ¹

Physical	Dry	Conditioned	Unit	Test Method
Density / Specific Gravity	1.48	--	g/cm ³	ASTM D792 ISO 1183
Molding Shrinkage				Internal Method
Across Flow	1.0	--	%	
Flow	0.50	--	%	
Water Absorption				ISO 62
Equilibrium, 23°C, 50% RH	--	1.4	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	9800	6700	MPa	ISO 527-1
Tensile Stress				
Break, 23°C	144	107	MPa	ISO 527-2
--	157	118	MPa	ASTM D638
Tensile Elongation				
Break	3.0	3.0	%	ASTM D638
Break, 23°C	4.0	6.0	%	ISO 527-2
Flexural Modulus				
--	8000	6300	MPa	ASTM D790
23°C	8700	6000	MPa	ISO 178
Flexural Strength				
--	245	177	MPa	ASTM D790
23°C	235	165	MPa	ISO 178
Taber Abrasion Resistance				ASTM D1044
1000 Cycles	--	9.00	mg	



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Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	10	13	kJ/m²	ISO 179
Charpy Unnotched Impact Strength	71	78	kJ/m²	ISO 179
Notched Izod Impact	98	120	J/m	ASTM D256
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785 ISO 2039-2
M-Scale	89	60		
R-Scale	120	108		
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
0.45 MPa, Unannealed	260	--	°C	ASTM D648
0.45 MPa, Unannealed	261	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	248	--	°C	ASTM D648
1.8 MPa, Unannealed	246	--	°C	ISO 75-2/A
CLTE - Flow	3.0E-5	--	cm/cm/°C	ASTM D696
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.75 mm)	HB	--		UL 94

Notes

¹ Typical properties: these are not to be construed as specifications.

