

Leona™ 1330G

Polyamide 66

Asahi Kasei Chemicals Corporation

Message:

Leona™ 1330G is a Polyamide 66 (Nylon 66) product. It is available in Africa & Middle East, Asia Pacific, Europe, or North America. Applications of Leona™ 1330G include automotive, engineering/industrial parts and industrial applications.

Characteristics include:

Flame Rated

High Strength

Lubricated

General Information				
UL YellowCard		E48285-240883		
Additive		Lubricant		
Features		High Strength		
		Low Friction		
		Lubricated		
Uses		Automotive Applications		
		Automotive Under the Hood		
		Industrial Applications		
		Structural Parts		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.48	--	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage				Internal Method
Across Flow	1.0	--	%	
Flow	0.50	--	%	
Water Absorption				
Saturation, 23°C	--	1.4	%	
Equilibrium, 23°C, 50% RH	--	1.4	%	ISO 62
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785, ISO 2039-2
M-Scale	89	60		
R-Scale	120	108		
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	9800	6700	MPa	ISO 527-2
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 (1000 Cycles)	--	9.00	mg	ASTM D1044
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	10	13	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	71	78	kJ/m ²	ISO 179
Notched Izod Impact	98	120	J/m	ASTM D256
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		Test Method
Flame Rating (0.750 mm)	HB	--		UL 94

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