

Leona™ 1330G

Polyamide 66

Asahi Kasei Corporation

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Technical Data

Product Description

Leona™ 1330G is a Polyamide 66 (Nylon 66) product filled with 30% glass fiber/ptfe. 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
- Lubricated

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet
UL Yellow Card ²	• E48285-240883
Search for UL Yellow Card	• Asahi Kasei Corporation • Leona™
Availability	• Africa & Middle East • Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber\PTFE, 30% Filler by Weight
Additive	• Lubricant
Features	• Low Friction
Uses	• Automotive Applications • Automotive Under the Hood • Industrial Applications • Structural Parts
Part Marking Code (ISO 11469)	• >PA66+PTFE-GF30<

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 (Equilibrium, 23°C, 50% RH)	--	1.4	%	ISO 62
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 (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
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 These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

³ Typical properties: these are not to be construed as specifications.



Where to Buy

Supplier

Asahi Kasei Corporation

Web: https://www.asahi-kasei-plastics.com/en/contact/?utm_source=ULProspector+site_contact_EN&utm_medium=ULProspector+site_contact_EN&utm_campaign=ULProspector+site_contact_EN

Distributor

Entec Polymers Latin America

Contact Entec Polymers for availability of individual products by country.

Web: <https://www.entecpolymers.com/>

Availability: Latin America

General Polymers Thermoplastic Materials

Telephone: 248-762-7676

Web: <https://www.gp-materials.com/our-partners>

Availability: North America

Osterman & Company

Telephone: 800-914-4437

Web: <http://www.osterman-co.com/>

Availability: North America

Plastics Plus, Inc.

Telephone: 248-393-0300

Web: <http://www.plasplus.com/>

Availability: North America

PolySource

PolySource is a North American resin and plastics distributor. Please feel to reach out to your Technical Sales Account Manager. <https://polysource.net/our-team/>

Telephone: 866-558-5300

Web: <http://www.polysource.net/>

Availability: North America

