Leona™ 90G33

Polyamide 66

Asahi Kasei Chemicals Corporation

Message:

Leona™ 90G33 is a Polyamide 66 (Nylon 66) product filled with 33% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, or North America. Applications of Leona™ 90G33 include automotive, engineering/industrial parts and industrial applications.
Characteristics include:
Good Aesthetics
High Flow
High Stiffness
High Strength

General Information	
UL YellowCard	E48285-634665
Filler / Reinforcement	Glass Fiber,33% Filler by Weight
Features	High Flow High Stiffness High Strength Pleasing Surface Appearance
Uses	Automotive Applications Automotive Interior Parts Industrial Applications Structural Parts

Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.39	--	g/cm³	ASTM D792, ISO 1183
Molding Shrinkage				Internal Method
Across Flow	0.90	--	%	
Flow	0.40	--	%	
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	90	--		
R-Scale	120	--		
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus (23°C)	10200	9300	MPa	ISO 527-2
Tensile Stress				
Break, 23°C	180	150	MPa	ISO 527-2

--	194	157	MPa	ASTM D638
Tensile Elongation				
Break	3.0	4.0	%	ASTM D638
Break, 23°C	2.5	3.0	%	ISO 527-2
Flexural Modulus				
--	9600	7600	MPa	ASTM D790
23°C	10000	8100	MPa	ISO 178
Flexural Strength				
--	294	245	MPa	ASTM D790
23°C	238	216	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	6.0	12	kJ/m^2	ISO 179
Charpy Unnotched Impact Strength	55	54	kJ/m^2	ISO 179
Notched Izod Impact	98	120	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	235	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	220	--	°C	ASTM D648, ISO 75-2/A
CLTE - Flow	3.0E-5	--	cm/cm/°C	ASTM D696

Recommended distributors for this material

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