

# Leona™ 91G55

Polyamide 66

Asahi Kasei Chemicals Corporation

## Message:

Leona™ 91G55 is a Polyamide 66 (Nylon 66) product filled with 55% milled glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, or North America. Applications of Leona™ 91G55 include automotive, construction applications and industrial applications.

Characteristics include:

- Good Aesthetics
- Good UV Resistance
- High Flow
- High Stiffness
- High Strength

General Information	
Filler / Reinforcement	Milled Glass Fiber,55% Filler by Weight
Features	Good UV Resistance
	High Flow
	High Stiffness
	High Strength
	Pleasing Surface Appearance
Uses	Automotive Applications
	Automotive Exterior Parts
	Industrial Applications
	Windows & Doors

Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.68	--	g/cm <sup>3</sup>	ASTM D792, ISO 1183
Molding Shrinkage				Internal Method
Across Flow	1.0	--	%	
Flow	0.20	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785, ISO 2039-2
M-Scale	102	--		
R-Scale	120	--		
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	15000	14000	MPa	ISO 527-2
Tensile Stress				
Break, 23°C	180	150	MPa	ISO 527-2
--	191	159	MPa	ASTM D638
Tensile Elongation				
Break	4.0	6.0	%	ASTM D638

Break, 23°C	3.0	4.0	%	ISO 527-2
Flexural Modulus				
--	13900	11900	MPa	ASTM D790
23°C	14000	12000	MPa	ISO 178
Flexural Strength				
--	262	231	MPa	ASTM D790
23°C	250	220	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	5.0	6.0	kJ/m <sup>2</sup>	ISO 179
Notched Izod Impact	54	63	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	220	--	°C	ISO 75-2/A

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

