

Leona™ WG143

Polyamide 66

Asahi Kasei Chemicals Corporation

Message:

Leona™ WG143 is a Polyamide 66 (Nylon 66) product. It is available in Africa & Middle East, Asia Pacific, Europe, or North America. Applications of Leona™ WG143 include automotive, fabrics/fibers and industrial applications.

Characteristics include:

Good UV Resistance

High Stiffness

General Information				
Features		Good UV Resistance		
		High Stiffness		
Uses		Automotive Applications		
		Automotive Interior Parts		
		Fabrics		
		Industrial Applications		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.40	--	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage				Internal Method
Across Flow	0.80	--	%	
Flow	0.30	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785, ISO 2039-2
M-Scale	95	--		
R-Scale	120	--		
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	10000	5500	MPa	ISO 527-2
Tensile Stress				
Break, 23°C	170	100	MPa	ISO 527-2
--	179	106	MPa	ASTM D638
Tensile Elongation				
Break	6.0	10	%	ASTM D638
Break, 23°C	4.0	8.0	%	ISO 527-2
Flexural Modulus				
--	9500	5400	MPa	ASTM D790
23°C	9600	5500	MPa	ISO 178
Flexural Strength				
--	262	159	MPa	ASTM D790

23°C	250	150	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	10	16	kJ/m ²	ISO 179
Notched Izod Impact	100	170	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	210	--	°C	ISO 75-2/B

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