

Leona™ 1702

Polyamide 66

Asahi Kasei Chemicals Corporation

Message:

Leona™ 1702 is a Polyamide 66 (Nylon 66) product. It is available in Africa & Middle East, Asia Pacific, Europe, or North America. Applications of Leona™ 1702 include engineering/industrial parts, film and sheet.

Characteristics include:

- Heat Resistant
- Heat Stabilizer
- High Molecular Weight
- High Strength

General Information	
Additive	Heat Stabilizer
Features	Heat Stabilized
	High Molecular Weight
	High Strength
	Medium Heat Resistance
Uses	Film
	Rods
	Sheet
	Structural Parts

Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.14	--	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage - Flow	1.3 to 2.0	--	%	Internal Method
Water Absorption				
Saturation, 23°C	--	2.5	%	
Equilibrium, 23°C, 50% RH	--	2.5	%	ISO 62
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness				ASTM D785, ISO 2039-2
M-Scale	80	55		
R-Scale	120	105		
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	3000	1100	MPa	ISO 527-2
Tensile Stress				
Yield, 23°C	84.0	50.0	MPa	ISO 527-2
--	80.0	59.0	MPa	ASTM D638
Tensile Strain				
Yield, 23°C	4.5	27	%	ISO 527-2

Break	100	300	%	ASTM D638
Break, 23°C	--	> 100	%	ISO 527-2
Flexural Modulus				
--	2800	1200	MPa	ASTM D790
23°C	2800	900	MPa	ISO 178
Flexural Strength				
--	118	54.0	MPa	ASTM D790
23°C	115	39.0	MPa	ISO 178
Taber Abrasion Resistance (1000 Cycles)	--	4.00	mg	ASTM D1044
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	7.0	28	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	No Break	No Break		ISO 179
Notched Izod Impact	49	250	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
0.45 MPa, Unannealed	230	--	°C	ASTM D648
0.45 MPa, Unannealed	215	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	--	°C	ASTM D648, ISO 75-2/A
CLTE - Flow	8.0E-5	--	cm/cm/°C	ASTM D696
Specific Heat	1670	--	J/kg/°C	
Thermal Conductivity	0.20	--	W/m/K	
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+14	--	ohms	ASTM D257, IEC 60093
Volume Resistivity				
--	1.0E+15	--	ohms·cm	ASTM D257
23°C	1.0E+15	--	ohms·cm	IEC 60093
Dielectric Strength	20	--	kV/mm	ASTM D149, IEC 60243-1
Flammability	Dry	Conditioned	Unit	Test Method
Oxygen Index	23	--	%	ASTM D2863

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



WECHAT