Leona™ 9400S

Polyamide 66

Asahi Kasei Chemicals Corporation

Message:

Leona™ 9400S is a Polyamide 66 (Nylon 66) product. It is available in Africa & Middle East, Asia Pacific, Europe, or North America. Applications of Leona™ 9400S include engineering/industrial parts, film, housings and industrial applications.
Characteristics include:
High Molecular Weight
High Strength
Impact Resistant

General Information	
Features	High Impact Resistance
	High Molecular Weight
	High Strength
Uses	Film
	Housings
	Industrial Applications
	Structural Parts

Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.14	--	g/cm³	ASTM D792, ISO 1183
Water Absorption				
Saturation, 23°C	--	2.8	%	
Equilibrium, 23°C, 50% RH	--	2.8	%	ISO 62
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Rockwell Hardness				
M-Scale	75	--		ASTM D785
M-Scale	80	--		ISO 2039-2
R-Scale	120	--		ISO 2039-2
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus (23°C)	2700	700	MPa	ISO 527-2
Tensile Stress				
Yield, 23°C	80.0	40.0	MPa	ISO 527-2
--	79.0	44.0	MPa	ASTM D638
Tensile Strain				
Yield, 23°C	4.0	22	%	ISO 527-2
Break	60	260	%	ASTM D638
Break, 23°C	--	> 100	%	ISO 527-2
Flexural Modulus				

--	2600	800	MPa	ASTM D790
23°C	2300	700	MPa	ISO 178
Flexural Strength				
--	108	44.0	MPa	ASTM D790
23°C	97.0	30.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	7.0	41	kJ/m²	ISO 179
Charpy Unnotched Impact Strength	No Break	No Break		ISO 179
Notched Izod Impact	54	270	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
0.45 MPa, Unannealed	190	--	°C	ASTM D648
0.45 MPa, Unannealed	165	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	--	°C	ISO 75-2/A
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

Recommended distributors for this material

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