

Leona™ TR382

Polyamide 66

Asahi Kasei Chemicals Corporation

Message:

Leona™ TR382 is a Polyamide 66 (Nylon 66) product. It is available in Africa & Middle East, Asia Pacific, Europe, or North America. Applications of Leona™ TR382 include automotive, electrical/electronic applications, engineering/industrial parts and wire & cable.

Characteristics include:

Good Toughness

Heat Stabilizer

Impact Resistant

General Information	
Additive	Heat Stabilizer
Features	Good Toughness
	Heat Stabilized
	High Impact Resistance
Uses	Automotive Applications
	Connectors
	Fasteners
	Wire & Cable Applications

Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.08	--	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage - Flow	1.7 to 2.5	--	%	Internal Method
Water Absorption				
Saturation, 23°C	--	1.7	%	
Equilibrium, 23°C, 50% RH	--	1.7	%	ISO 62
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	107	89		ASTM D785, ISO 2039-2
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	1900	700	MPa	ISO 527-2
Tensile Stress				
Yield, 23°C	53.0	35.0	MPa	ISO 527-2
Break, 23°C	45.0	--	MPa	ISO 527-2
--	54.0	37.0	MPa	ASTM D638
Tensile Strain				
Yield, 23°C	5.5	28	%	ISO 527-2
Break	70	220	%	ASTM D638
Break, 23°C	60	> 100	%	ISO 527-2

Flexural Modulus				
--	2000	1000	MPa	ASTM D790
23°C	2000	700	MPa	ISO 178
Flexural Strength				
--	79.0	39.0	MPa	ASTM D790
23°C	73.0	30.0	MPa	ISO 178
Taber Abrasion Resistance (1000 Cycles)				
--		6.00	mg	ASTM D1044
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	80 kJ/m ²	No Break		ISO 179
Charpy Unnotched Impact Strength	No Break	No Break		ISO 179
Notched Izod Impact	1100	1300	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
0.45 MPa, Unannealed	215	--	°C	ASTM D648
0.45 MPa, Unannealed	183	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	73.0	--	°C	ASTM D648
1.8 MPa, Unannealed	58.0	--	°C	ISO 75-2/A
CLTE - Flow	1.1E-4	--	cm/cm/°C	ASTM D696

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

