

Rilsan® KMVO 39099 TL

Polyamide 11

Arkema

Message:

Rilsan® KMVO 39099 TL is a Polyamide 11 (Nylon 11) product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

- Eco-Friendly/Green
- Good UV Resistance
- Heat Stabilizer

General Information				
Additive	Heat Stabilizer			
Features	Good UV Resistance			
	Heat Stabilized			
	Renewable Resource Content			
Forms	Pellets			
Processing Method	Injection Molding			
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)			
	Secant Modulus vs. Strain (ISO 11403-1)			
	Viscosity vs. Shear Rate (ISO 11403-2)			
Physical	Dry	Conditioned	Unit	Test Method
Density	1030	1030	kg/m ³	ISO 1183 ¹
Melt volume-flow rate (235°C/2.16 kg)	9.00	--	cm ³ /10min	ISO 1133 ²
Water Absorption (Saturation)	1.9	--	%	ISO 62 ³
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile modulus	1580	1420	MPa	ISO 527-2 ⁴
Tensile Stress (Yield)	44.0	40.0	MPa	ISO 527-2 ⁵
Tensile Strain (Yield)	5.0	5.0	%	ISO 527-2 ⁶
Nominal strain at break	> 50	> 50	%	ISO 527-2 ⁷
Impact	Dry	Conditioned	Unit	Test Method
Charpy notched impact strength				ISO 179/1eA ⁸
-30°C	10.0	14.0	kJ/m ²	
23°C	7.00	12.0	kJ/m ²	
Charpy impact strength				ISO 179/1eU ⁹
-30°C	No Break	No Break		
23°C	No Break	No Break		
Thermal	Dry	Conditioned	Unit	Test Method

Deflection Temperature Under Load				ISO 75-2 ¹⁰
0.45 MPa	145	--	°C	
1.8 MPa	50.0	--	°C	
Vicat Softening Temperature (50°C/h, B (50N))	160	--	°C	ISO 306 ¹¹
Melting Temperature ¹²	189	--	°C	ISO 11357-3 ¹³
Flammability	Dry	Conditioned	Unit	Test Method
Burning Behav. at 1.6mm nom. thickn. (1.60 mm)	V-2	--		ISO 1210 ¹⁴
Burning Behav. at thickness h (3.20 mm)	V-2	--		ISO 1210 ¹⁵
Oxygen index	25	--	%	ISO 4589-2 ¹⁶
NOTE				
1.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
2.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
3.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
4.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
5.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
6.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
7.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
8.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
9.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
10.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
11.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
12.	10 °C/min			
13.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			

14.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
15.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
16.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

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