Rilsan® AMN Y TLD

Polyamide 12

Arkema

Message:

Rilsan® AMN Y TLD is a Polyamide 12 (Nylon 12) product filled with filler. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.
Characteristics include:
Good UV Resistance
Heat Stabilizer
Mold Release Agent

General Information	
Filler / Reinforcement	Filler
Additive	Heat Stabilizer Mold Release
Features	Good UV Resistance Heat Stabilized
Forms	Pellets
Processing Method	Injection Molding
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1) Secant Modulus vs. Strain (ISO 11403-1)

Physical	Dry	Conditioned	Unit	Test Method
Density	1020	1020	kg/m³	ISO 1183 [1]
Melt volume-flow rate (235°C/2.16 kg)	50.0	--	cm³/10min	ISO 1133 [2]
Water Absorption (Saturation)	1.6	--	%	ISO 62 [3]
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile modulus	1500	1200	MPa	ISO 527-2 [4]
Tensile Stress (Yield)	50.0	39.0	MPa	ISO 527-2 [5]
Tensile Strain (Yield)	9.0	12	%	ISO 527-2 [6]
Nominal strain at break	> 50	> 50	%	ISO 527-2 [7]
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Deflection Temperature Under Load				ISO 75-2 [8]
0.45 MPa	143	--	°C	
1.8 MPa	65.0	--	°C	
Vicat Softening Temperature (50°C/h, B (50N))	145	--	°C	ISO 306 [9]

Melting Temperature [10]	178	--	°C	ISO 11357-3 [11]
CLTE - Flow	9.0E-5	--	cm/cm/°C	ISO 11359-2 [12]
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Surface resistivity	--	1.0E+14	ohms	IEC 60093 [13]
Volume resistivity	--	1.0E+12	ohms·m	IEC 60093 [14]
Electric strength	--	55	kV/mm	IEC 60243-1 [15]
Relative Permittivity				IEC 60250 [16]
100 Hz	3.00	--		
1 MHz	3.00	--		
Dissipation Factor				IEC 60250 [17]
100 Hz	0.077	--		
1 MHz	0.028	--		
Comparative tracking index	--	600		IEC 60112 [18]
Flammability	**Dry**	**Conditioned**	**Unit**	**Test Method**
Burning Behav. at 1.6mm nom. thickn. (1.60 mm)	HB	--		ISO 1210 [19]
Burning Behav. at thickness h (3.20 mm)	V-2	--		ISO 1210 [20]
Oxygen index	22	--	%	ISO 4589-2 [21]

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.	10 °C/min

11.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
12.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
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.
17.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
18.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
19.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
20.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.
21.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

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