

Rilsamid® AMVO TLD

Polyamide 12

Arkema

Message:

Rilsamid® AMVO TLD is a natural polyamide 12. This grade is designed for injection molding.

MAIN APPLICATIONS

Rotomolding.

General Information			
Additive	Plasticizer		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (235°C/2.16 kg)	58.0	cm ³ /10min	ISO 11357
Molding Shrinkage			Internal Method
Across Flow : 30°C, 24 hr, 2.00 mm	0.90	%	
Flow : 30°C, 24 hr, 2.00 mm	0.90	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	76		
Shore D, 15 sec	68		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1260	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	42.0	MPa	
Break	69.0	MPa	
Tensile Strain			ISO 527-2
Yield	7.0	%	
Break	> 200	%	
Flexural Modulus	950	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	6.0	kJ/m ²	
23°C	5.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	178	°C	ISO 11357-3

Additional Information	Nominal Value	Test Method
ISO Shortname	PA12, MHLR, 14-010	ISO 1874
Injection	Nominal Value	Unit
Drying Temperature	80.0 to 90.0	°C
Drying Time	4.0 to 6.0	hr
Processing (Melt) Temp	240 to 290	°C
Mold Temperature	20.0 to 40.0	°C

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

