

Rilsamid® AESNO TL

Polyamide 12

Arkema

Message:

Rilsamid ® AESNO TL is a natural polyamide 12. This grade is designed for extrusion.

MAIN APPLICATIONS

Tubes for automotive industry.

General Information			
Uses	Automotive Applications		
	Tubing		
Appearance	Natural Color		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (235°C/5.0 kg)	8.00	cm ³ /10min	ISO 11357
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	75		
Shore D, 15 sec	69		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1440	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	43.0	MPa	
Break	50.0	MPa	
Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	> 200	%	
Flexural Modulus	1180	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	6.0	kJ/m ²	
23°C	11	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	180	°C	ISO 11357-3
Flammability	Nominal Value		Test Method

Flame Rating (1.50 mm)	HB	UL 94
Additional Information	Nominal Value	Test Method
ISO Shortname	PA12, EHL, 22-010	ISO 1874
Extrusion	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	4.0 to 6.0	hr
Melt Temperature	230 to 270	°C

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