

Rilsamid® AESNO 14 TL

Polyamide 12

Arkema

Message:

Rilsamid ® AESNO 14 TL is a polyamide 12. This natural grade is designed for extrusion and specially dedicated to applications where transparency is required.

MAIN APPLICATIONS

Ski top layer.

General Information			
Appearance	Clear/Transparent		
	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)	2.00	cm ³ /10min	ISO 11357
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	66		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1130	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	34.0	MPa	
Break	48.0	MPa	
Tensile Strain			ISO 527-2
Yield	11	%	
Break	> 200	%	
Flexural Modulus	910	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	7.0	kJ/m ²	
23°C	63	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, 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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Recommended distributors for this material

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