

Evonik Corporation Vestamid® L2124 sw 9.7507 (as-conditioned) Nylon 12

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, Extrusion/Tubing Grade

Material Notes:

Uses: Flexible tubing for the automobile industry.ISO data as provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-Vestamid-L2124-sw-97507-as-conditioned-Nylon-12.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.0 MPa	3920 psi	
Elongation at Break	>= 50 %	>= 50 %	
Elongation at Yield	29 %	29 %	
Modulus of Elasticity	0.420 GPa	60.9 ksi	
Charpy Impact Unnotched	NB	NB	
	NB	NB	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	NB	NB	
	0.700 J/cm ²	3.33 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	<= 50.0 µm/m-°C	<= 27.8 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Vicat Softening Point	125 °C	257 °F	50°C/hr/50 N

Electrical Properties	Metric	English	Comments
Electrical Resistivity	2.00e+11 ohm-cm	2.00e+11 ohm-cm	
Surface Resistance	2.00e+13 ohm	2.00e+13 ohm	
Dielectric Constant	4.0	4.0	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Electrical Properties	Metric	English	Comments
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	30.0 kV/mm	762 kV/in	
Dissipation Factor	0.16	0.16	
	@Frequency 100 Hz	@Frequency 100 Hz	
	0.19	0.19	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

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