

Arkema Group Cristamid® MS 1300 Semi-Aromatic Nylon (PASA) (Conditioned)

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

Material Notes:

Designation ISO 1874-PA12/xx,MR,12-020Semi-aromatic polyamide (PASA) grade for injection molding and tubes extrusion. Transparency even thick. High resistance to environmental stress cracking. Good thermal resistance. Sterilizable. Dimensional stability. USP XXIII class VI approval. Example applications: Catheters. ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Cristamid-MS-1300-Semi-Aromatic-Nylon-PASA-Conditioned.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	71.0 MPa	10300 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	7.0 %	7.0 %	50 mm/min
Tensile Modulus	2.08 GPa	302 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	Low Temp
Charpy Impact, Notched	0.820 J/cm ²	3.90 ft-lb/in ²	
	0.250 J/cm ² @Temperature -30.0 °C	1.19 ft-lb/in ² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-2	V-2	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Optical Properties	Metric	English	Comments
Transmission, Visible	80 %	80 %	Mfr. reports 'Transparent' but doesn't quantify.

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	
Dielectric Strength	50.0 kV/mm	1270 kV/in	
Comparative Tracking Index	600 V	600 V	

Electrical Properties

Metric

English

Comments

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