

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

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-Dry.php](http://www.lookpolymers.com/polymer_Arkema-Group-Cristamid-MS-1300-Semi-Aromatic-Nylon-PASA-Dry.php)

Physical Properties	Metric	English	Comments
Melt Flow	1.9 g/10 min	1.9 g/10 min	
	@Load 2.16 kg, Temperature 235 °C	@Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	76.0 MPa	11000 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	2.23 GPa	323 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	92.0 µm/m-°C	51.1 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	88.0 °C	190 °F	
Glass Transition Temp, Tg	130 °C	266 °F	10°C/min
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
Dissipation Factor	0.000304	0.000304	
	@Frequency 100 Hz	@Frequency 100 Hz	

Electrical Properties	Metric	English	Comments
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China