

Arkema Group Cristamid® MS 1700 Semi-Aromatic Nylon (PASA) (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, Flame Retardant , Nylon, Aromatic

Material Notes:

Designation ISO 1874-PA12/xx,M,12-020Semi-aromatic polyamide (PASA) grade for injection molding. Transparency even thick.

Outstanding thermal properties due to its high glass temperature. Good chemical resistance. Dimensional stability. Example applications:

Oil casing. ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Cristamid-MS-1700-Semi-Aromatic-Nylon-PASA-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	75.0 MPa	10900 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	8.0 %	8.0 %	50 mm/min
Tensile Modulus	2.09 GPa	303 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	Low Temp
Charpy Impact, Notched	1.48 J/cm ²	7.04 ft-lb/in ²	
	1.33 J/cm ²	6.33 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	70.0 µm/m-°C	38.9 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	150 °C	302 °F	
Deflection Temperature at 1.8 MPa (264 psi)	135 °C	275 °F	
Vicat Softening Point	160 °C	320 °F	50°C/hr; 50N
Flammability, UL94	HB	HB	
	@Thickness 0.800 mm	@Thickness 0.0315 in	

Thermal Properties	Metric	English	Comments
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Oxygen Index	26 %	26 %	

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 Constant	3.0	3.0	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	50.0 kV/mm	1270 kV/in	
Dissipation Factor	0.020	0.020	
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	600 V	600 V	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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