

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

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-Dry.php](http://www.lookpolymers.com/polymer_Arkema-Group-Cristamid-MS-1700-Semi-Aromatic-Nylon-PASA-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in <sup>3</sup>	
Water Absorption	3.2 %	3.2 %	
High Load Melt Index	4.9 g/10 min	4.9 g/10 min	
	@Load 21.6 kg, Temperature 235 °C	@Load 47.6 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	78.0 MPa	11300 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	2.11 GPa	306 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	170 °C	338 °F	10°C/min
Flammability, UL94	HB	HB	
	@Thickness 0.800 mm	@Thickness 0.0315 in	
	V-2	V-2	
	@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.

## **Contact Songhan Plastic Technology Co.,Ltd.**

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