

Arkema Group Cristamid® MS 1100 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,MHLR,12-020Semi-aromatic polyamide (PASA) grade for injection molding and tubes extrusion. Transparency even thick. High resistance to environmental stress cracking. Good mechanical properties. Good thermal resistance. Dimensional stability. Example applications: Glasses. ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Cristamid-MS-1100-Semi-Aromatic-Nylon-PASA-Dry.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	
Water Absorption	2.3 %	2.3 %	
Melt Flow	5.3 g/10 min @Load 2.16 kg, Temperature 235 °C	5.3 g/10 min @Load 4.76 lb, Temperature 455 °F	

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	6.0 %	6.0 %	50 mm/min
Tensile Modulus	2.07 GPa	300 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	115 °C	239 °F	10°C/min
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 in	
Oxygen Index	26 %	26 %	

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

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