

Arkema Group PLATAMID® 8020 Copolyamide

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Platamid® 8020 is a transparent, thermoplastic copolyamide designed for conversion by standard molding or extrusion techniques. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-PLATAMID-8020-Copolyamide.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.80 %	0.80 %	20°C, 65% RH; ASTM D570
	1.5 %	1.5 %	20°C, 100% RH; ASTM D570
	2.3 %	2.3 %	100°C, 100% RH; ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ASTM D785
Tensile Strength, Ultimate	39.0 MPa	5660 psi	ASTM D638
Elongation at Break	200 %	200 %	ASTM D638
Flexural Modulus	0.276 GPa	40.0 ksi	ASTM D790
	0.161 GPa	23.3 ksi	ASTM D790
	@Temperature 49.0 °C	@Temperature 120 °F	
	0.94975 GPa	137.75 ksi	ASTM D790
	@Temperature 0.000 °C	@Temperature 32.0 °F	
	1.60 GPa	232 ksi	ASTM D790
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Izod Impact, Notched	NB	NB	ASTM D256
Izod Impact, Unnotched	NB	NB	ASTM D256
	NB	NB	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Taber Abrasion, mg/1000 Cycles	14	14	500g; ASTM D1044

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	73.0 °C	163 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	40.0 °C	104 °F	ASTM D648
Glass Transition Temp, Tg	34.0 °C	93.2 °F	
Flammability, UL94	V-2	V-2	0.125 inch
Oxygen Index	26 %	26 %	0.125 inch; ASTM D2563

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

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