

Honeywell Aegis™ PL220HS High Viscosity, Heat Stabilized, Flexible Nylon 6 (discontinued **)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Heat Stabilized

Material Notes:

Description: Aegis PL220HS is a high viscosity, heat stabilized, flexible nylon 6 especially suited to the production of large diameter extrusion or blow molding profiles offering a combination of good flexibility, toughness and abrasion resistance. Chemical resistance is excellent to greases, oils and hydrocarbons. Applications: Used in extruded profile applications. Information provided by Honeywell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Honeywell-Aegis-PL220HS-High-Viscosity-Heat-Stabilized-Flexible-Nylon-6-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	ASTM D792
Maximum Moisture Content	0.0010	0.0010	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	51.0 MPa	7400 psi	ASTM D638
Elongation at Break	>= 100 %	>= 100 %	ASTM D638
Flexural Strength	34.0 MPa	4930 psi	ASTM D790
Flexural Modulus	1.00 GPa	145 ksi	ASTM D790
Izod Impact, Notched	1.21 J/cm	2.27 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ASTM D3418
Deflection Temperature at 1.8 MPa (264 psi)	53.0 °C	127 °F	ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	230 - 250 °C	446 - 482 °F	
Middle Barrel Temperature	240 - 255 °C	464 - 491 °F	
Front Barrel Temperature	230 - 250 °C	446 - 482 °F	
Die Temperature	230 - 245 °C	446 - 473 °F	
Melt Temperature	250 - 260 °C	482 - 500 °F	
Head Temperature	230 - 245 °C	446 - 473 °F	

Processing Properties

Metric

English

Comments

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