

Honeywell Aegis™ H135XP Nylon 6 Extrusion Grade Homopolymer Film (discontinued **)

Category : Polymer , Film , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Extruded

Material Notes:

Description: Aegis H135XP is a high viscosity, nylon 6 film extrusion grade homopolymer for cast or blown film. It conforms to Food and Drugs Administration requirements of 21 CFR 177.1500 for nylon 6. It possesses the combination of strength, toughness and thermo-forming properties associated with nylon 6 as well as excellent heat, chemical, and abrasion resistance. Applications: Processed Meat Fresh Red Meat Poultry Fish Cheese Dried Food Chilled Fruit Juices Information provided by Honeywell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Honeywell-Aegis-H135XP-Nylon-6-Extrusion-Grade-Homopolymer-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	ASTM D1505
Water Absorption	0.80 %	0.80 %	Extractable Content
	1.6 %	1.6 %	in 24 hours
Moisture Absorption at Equilibrium	2.7 %	2.7 %	at 50% RH
Water Absorption at Saturation	9.5 %	9.5 %	
Oxygen Transmission Rate	40.3 cc/m ² /day	2.60 cc/100 in ² /day	
Nitrogen Transmission	14.0 cc-mm/m ² -24hr-atm	35.6 cc-mil/100 in ² -24hr-atm	cc/m ² /day, No thickness given
Carbon Dioxide Transmission	72.8 cc-mm/m ² -24hr-atm	185 cc-mil/100 in ² -24hr-atm	cc/m ² /day, No thickness given
Viscosity Measurement	135	135	FAV; ASTM D789
Maximum Moisture Content	0.080	0.080	
Melt Flow	1.2 g/10 min @Load 1.00 kg, Temperature 235 °C	1.2 g/10 min @Load 2.20 lb, Temperature 455 °F	ASTM D1238

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ASTM D3418

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	230 - 260 °C	446 - 500 °F	Cast Film
	246 - 254 °C	475 - 489 °F	Tubular (Blown) Film

Processing Properties	260 °C Metric	500 °F English	Comments
	260 - 266 °C	500 - 511 °F	Cast Film
Die Temperature	254 °C	490 °F	Tubular (Blown) Film
	260 °C	500 °F	Cast Film
Melt Temperature	254 - 260 °C	489 - 500 °F	Tubular (Blown) Film
	260 - 270 °C	500 - 518 °F	Cast Film
Moisture Content	0.080 %	0.080 %	

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