

Honeywell Aegis™ HCA115QP Nylon 6/6,6 Extrusion Grade Copolymer (discontinued **)

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6 , Unreinforced

Material Notes:

Description: Aegis HCA115QP is a lubricated high viscosity, nylon 6/6,6 extrusion grade copolymer for cast or blown film. It conforms to Food and Drug Administration requirements of 21 CFR 177.1500. It possesses the combination of strength and toughness associated with N6/6,6 as well as excellent heat, chemical, and abrasion resistance. The reduced melt point (385 deg F/196 deg C) of this resin results in lower process melt temperature, lower head pressure, and lower amperage. This translates to higher extrusion rates and thinner nylon layer capabilities. It will also thermoform at lower temperatures and yield higher production rates. 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-HCA115QP-Nylon-666-Extrusion-Grade-Copolymer-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
	1.4 %	1.4 %	in 24 hours
Moisture Absorption at Equilibrium	2.5 %	2.5 %	at 50% RH
Water Absorption at Saturation	9.0 %	9.0 %	
Oxygen Transmission Rate	37.2 cc/m ² /day	2.40 cc/100 in ² /day	
Nitrogen Transmission	7.80 cc-mm/m ² -24hr-atm	19.8 cc-mil/100 in ² -24hr-atm	cc/m ² /day, No thickness given
Carbon Dioxide Transmission	113 cc-mm/m ² -24hr-atm	287 cc-mil/100 in ² -24hr-atm	cc/m ² /day, No thickness given
Viscosity Measurement	3.55	3.55	96% SAV
	115	115	FAV; ASTM D789
Maximum Moisture Content	0.080	0.080	
Melt Flow	2.0 g/10 min	2.0 g/10 min	ASTM D1238
	@Load 1.00 kg, Temperature 235 °C	@Load 2.20 lb, Temperature 455 °F	

Thermal Properties	Metric	English	Comments
Melting Point	200 °C	392 °F	ASTM D3418

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	225 - 245 °C	437 - 473 °F	Tubular (Blown) Film
	225 - 250 °C	437 - 482 °F	Cast Film
Adapter Temperature	243 °C	469 °F	Tubular (Blown) Film
	250 °C	482 °F	Cast Film
Die Temperature	240 °C	464 °F	Cast Film
	240 °C	464 °F	Tubular (Blown) Film
Melt Temperature	243 °C	469 °F	Tubular (Blown) Film
	248 °C	478 °F	Cast Film
Moisture Content	0.080 %	0.080 %	

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