

## Honeywell Aegis™ H205QP Nylon 6 Extrusion Grade Homopolymer Film (discontinued \*\*)

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

### Material Notes:

Description: Aegis H205QP is a lubricated high viscosity, N6 film extrusion grade homopolymer for cast or blown film. It conforms to FDA requirements of 21 CFR 177.1500. It possesses the combination of strength, toughness, and thermo-forming properties associated with N6 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-H205QP-Nylon-6-Extrusion-Grade-Homopolymer-Film-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Honeywell-Aegis-H205QP-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 <sup>2</sup> /day	2.60 cc/100 in <sup>2</sup> /day	
Nitrogen Transmission	14.0 cc-mm/m <sup>2</sup> -24hr-atm	35.6 cc-mil/100 in <sup>2</sup> -24hr-atm	cc/m <sup>2</sup> /day, No thickness given
Carbon Dioxide Transmission	72.8 cc-mm/m <sup>2</sup> -24hr-atm	185 cc-mil/100 in <sup>2</sup> -24hr-atm	cc/m <sup>2</sup> /day, No thickness given
Viscosity Measurement	205	205	FAV; ASTM D789
Maximum Moisture Content	0.080	0.080	

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
Adapter Temperature	260 °C	500 °F	Tubular (Blown) Film
	260 - 266 °C	500 - 511 °F	Cast Film

Die Temperature Processing Properties	254 °C Metric	490 °F English	Tubular (Blown) Film Comments
	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	0.070 %	0.070 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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