

## Honeywell Aegis H100ZP Nylon 6 Extrusion Grade Homopolymer Film

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

### Material Notes:

Description: Aegis H100ZP is a medium viscosity, nylon 6 film extrusion grade homopolymer for cast or blown film. It conforms to Food and Drug Administration requirements of 21 CFR 177.1500 as well as EU Directive 2002/72/EC. 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-H100ZP-Nylon-6-Extrusion-Grade-Homopolymer-Film.php](http://www.lookpolymers.com/polymer_Honeywell-Aegis-H100ZP-Nylon-6-Extrusion-Grade-Homopolymer-Film.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	ASTM D1505
Water Absorption	0.50 %	0.50 %	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>Å</sup> ²/day	2.60 cc/100 in <sup>Å</sup> ²/day	
Nitrogen Transmission	14.0 cc-mm/m <sup>Å</sup> ²-24hr-atm	35.6 cc-mil/100 in <sup>Å</sup> ²-24hr-atm	cc/m <sup>Å</sup> ²/day, No thickness given
Carbon Dioxide Transmission	72.8 cc-mm/m <sup>Å</sup> ²-24hr-atm	185 cc-mil/100 in <sup>Å</sup> ²-24hr-atm	cc/m <sup>Å</sup> ²/day, No thickness given
Viscosity Measurement	3.35	3.35	96% SAV
	100	100	FAV; ASTM D789
Maximum Moisture Content	0.080	0.080	
Melt Flow	2.6 g/10 min @Load 1.00 kg, Temperature 235 Å°C	2.6 g/10 min @Load 2.20 lb, Temperature 455 Å°F	ASTM D1238

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

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	230 - 260 Å°C	446 - 500 Å°F	Cast Film

Processing Properties	246 - 254 Â°C Metric	475 - 489 Â°F English	Tubular (Blown) Film Comments
Adapter Temperature	260 Â°C	500 Â°F	Tubular (Blown) Film
	260 - 266 Â°C	500 - 511 Â°F	Cast Film
Die Temperature	254 Â°C	490 Â°F	Tubular (Blown) Film
	260 Â°C	500 Â°F	Cast Film
Melt Temperature	254 - 260 Â°C	489 - 500 Â°F	Tubular (Blown) Film
	260 - 270 Â°C	500 - 518 Â°F	Cast Film
Moisture Content	0.040 %	0.040 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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