

## Honeywell Aegis™ HCA73ZP Nylon 6/6,6 Extrusion Grade Copolymer (discontinued \*\*)

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

### Material Notes:

Description: Aegis HCA73ZP is a low viscosity nylon 6/6,6 copolymer extrusion grade. It conforms to Food and Drug Administration requirements of 21 CFR177.1500. Aegis HCA73ZP possesses the combination of strength and toughness associated with nylon 6/6,6 as well as excellent heat, chemical, and abrasion resistance. The reduced melt point (385 degF/196 degC) 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-HCA73ZP-Nylon-666-Extrusion-Grade-Copolymer-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Honeywell-Aegis-HCA73ZP-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 <sup>2</sup> /day	2.40 cc/100 in <sup>2</sup> /day	
Nitrogen Transmission	7.80 cc-mm/m <sup>2</sup> -24hr-atm	19.8 cc-mil/100 in <sup>2</sup> -24hr-atm	cc/m <sup>2</sup> /day, No thickness given
Carbon Dioxide Transmission	113 cc-mm/m <sup>2</sup> -24hr-atm	287 cc-mil/100 in <sup>2</sup> -24hr-atm	cc/m <sup>2</sup> /day, No thickness given
Viscosity Measurement	3.0	3.0	96% SAV
	73	73	FAV; ASTM D789
Maximum Moisture Content	0.080	0.080	
Melt Flow	4.5 g/10 min @Load 1.00 kg, Temperature 235 °C	4.5 g/10 min @Load 2.20 lb, Temperature 455 °F	ASTM D1238

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 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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