

Aegis® H155C1WP Nylon Extrusion Grade Copolymer

Description

Aegis® H155C1WP is a high-viscosity nylon extrusion grade copolymer for cast or blown film applications. It is a lubricated version of Aegis® H155C1ZP copolymer, containing 400 ppm ethylene bis stearamide (EBS). H155C1WP copolymer possesses an attractive combination of strength, toughness and thermoforming properties as well as excellent heat, chemical and abrasion resistance.

General Properties	Test Method	Unit	Value
Parameter			
Melting Point	ASTM D-3418	°C (°F)	194°C (381°F)
Specific Gravity, 23°C (73.4°F)	ASTM D-792		1.12
Extractable Content	SOP-702-307	%	< 0.8
Moisture (50% RH)	ASTM D-570	%	3.1
Moisture (Saturation)	ASTM D-570	%	10
Pellet Properties			
Viscosity, FAV	ASTM D-789		155
SAV @ 96% Sulfuric Acid			4.0
Bulk Density		kg/m ³	670
Pellet Shape			Cylindrical
Pellet Size		mm	1.9-2.5
Moisture Content	ASTM D-6869	%	< 0.08

Aegis® H155C1WP copolymer conforms to FDA requirements of 21 CFR 177.1500 (a) (4) and (b) (4.2) for use as articles or components of articles intended for use in processing, handling and packaging food, provided that the finished articles meet the applicable use and/or extraction limitations and requirements of relevant regulations. This copolymer is in compliance with FDA-approved Food Contact Notification (FCN) No. 342. Specifically, Aegis® H155C1WP is intended for use as a component of films applied in contact with all food types under Conditions of Use A through H, as described in Tables 1 and 2, respectively, of 21 CFR 176.170(c). Aegis® H155C1WP is also suitable for use as a component of a food packaging according to the European Plastic Regulations (EC) No. 10/2011, amended in 2018 to No. 2018/79.

The values presented in this data sheet are typical values and are not to be interpreted as product specifications.

Contact AdvanSix

To learn more about the benefits of Aegis® Nylon Resins, visit [AdvanSix.com/NylonSolutions](https://www.advanSix.com/NylonSolutions) or call: **1-844-890-8949** (toll free, U.S./Can.) **+1-973-526-1800** (international)

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