

# Aegis® H155C1ZP Nylon Extrusion Grade Copolymer

## Description

**Aegis® H155C1ZP** is a high-viscosity nylon extrusion grade copolymer for cast or blown film applications. It 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
<b>Parameter</b>			
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
<b>Pellet Properties</b>			
Viscosity, FAV	ASTM D-789		155
SAV @ 96% Sulfuric Acid			4.0
Bulk Density		kg/m <sup>3</sup>	670
Pellet Shape			Cylindrical
Pellet Size		mm	1.9-2.5
Moisture Content	ASTM D-6869	%	< 0.8

**Aegis® H155C1ZP** 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® H155C1ZP 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® H155C1ZP 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 of Aegis® Nylon Resins, visit [AdvanSix.com/NylonSolutions](http://AdvanSix.com/NylonSolutions) or call: **1-844-890-8949** (toll free, U.S./Can.) **+1-973-526-1800** (international)

Although AdvanSix Inc. believes that the information contained herein is accurate and reliable, it is presented without guarantee or responsibility of any kind and does not constitute any representation or warranty of AdvanSix Inc., either expressed or implied. A number of factors may affect the performance of any products used in conjunction with user's materials, such as other raw materials, application, formulation, environmental factors and manufacturing conditions among others, all of which must be taken into account by the user in producing or using the products. The user should not assume that all necessary data for the proper evaluation of these products are contained herein. Information provided herein does not relieve the user from the responsibility of carrying out its own tests and experiments, and the user assumes all risks and liabilities (including, but not limited to, risks relating to results, patent infringement, regulatory compliance and health, safety and environment) related to the use of the products and/or information contained herein.

**AdvanSix**  
300 Kimball Drive, Suite 101  
Parsippany, NJ 07054



Aegis® is a registered trademark of AdvanSix Inc.  
September 2019-9, Printed in U.S.A.  
©2019 AdvanSix Inc. All rights reserved.