

NYLON SOLUTIONS

# Aegis® H55ZI Nylon 6 Homopolymer

## Description

**Aegis® H55ZI** is an unterminated, medium viscosity, nylon 6 homopolymer well-suited for monfilament and multifilament applications as well as carpet fiber.

Specification	Test Method	Unit	Value
<b>Parameter</b>			
Viscosity, FAV	ASTM D-789		55 +/- 3
96% SAV			2.72
Moisture Content	ASTM D-6869	%	Max. 0.08
Extractable Content	SOP-702-307	%	Max. 1.2

Typical Properties	Test Method	Unit	Value
<b>Parameter</b>			
Melting Point	ASTM D-3418	°C (°F)	220 (428)
Density (Typical)	ASTM D-1505	g/cm <sup>3</sup>	1.13
Forms			Pellets

## Processing Guidelines

### Material Handling

Aegis® H55ZI resin is supplied in sealed containers and drying prior to processing is not required. However, high moisture is the primary cause of processing problems. If drying becomes necessary, a dehumidifying or desiccant dryer operating at 80°C (176°F) is recommended. Drying time is dependent on moisture level. Further information concerning safe handling procedures can be obtained from the Safety Data Sheet. Alternatively, please contact your AdvanSix representative.

*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](http://AdvanSix.com/NylonSolutions) or call: **1-844-890-8949** (toll free, U.S./Can.) **+1-973-526-1800** (international)

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