

NYLON SOLUTIONS

Aegis® H55ZIE Nylon 6 Homopolymer

Description

Aegis® H55ZIE is an unterminated, medium viscosity, nylon 6 homopolymer well-suited for monfilament and multifilament applications, including carpet fiber (natural and SDN) and industrial textiles.

Specification	Test Method	Unit	Value
Parameter			
Viscosity, FAV	ASTM D-789		55 +/- 3
96% SAV			2.72
Moisture Content	ASTM D-6869	%	Max. 0.10
Extractable Content	SOP-702-307	%	Max. 0.9

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

Processing Guidelines

Material Handling

Aegis® H55ZIE 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 or call: **1-844-890-8949** (toll free, U.S./Can.) **+1-973-526-1800** (international)

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