NYLON SOLUTIONS

Aegis® PIR-H55ZP Nylon 6 Medium Viscosity Homopolymer

Description

Aegis® PIR-H55ZP resin from AdvanSix contains 100% post-industrial recycled (PIR) raw materials[1] while providing the same top performance and processability as Aegis® H55ZP, its standard, non-recycled counterpart. Aegis® PIR-H55ZP is an unterminated, medium viscosity, nylon 6 homopolymer well-suited for monofilament and multifilament applications as well as carpet fiber.

Specification	Test Method	Unit	Value
Parameter			
Viscosity, FAV	ASTM D-789		55 +/- 3
96% SAV			2.72
Moisture Content	ASTM D-6869	%	Max. 0.15
Extractable Content	SOP-702-307	%	Max. 1.2

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

Processing Guidelines

Material Handling

Aegis® PIR-H55ZP is supplied in sealed containers and drying prior to processing is not required. However, higher moisture is the primary cause of processing issues. If drying becomes necessary, a dehumidifying or desiccant dryer operating at 80°C (176°F) is recommended. Drying time is dependent on moisture level. More information about safe handling procedures can be obtained by requesting the Safety Data Sheet on AdvanSix.com.

[1] *Using an industry-accepted mass balance method, AdvanSix allocates recycled material into 100% PIR Aegis® resins. PIR grades are certified by an independent third-party organization (SCS Global Services) for recycled content, with annual audits.*

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:
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