

Aegis® PIR-H60ZI Nylon 6 Homopolymer



Description

Aegis® PIR-H60ZI resin from AdvanSix contains 100% post-industrial recycled (PIR) raw materials¹ while providing the same top performance and processability as Aegis® H60ZI, its standard, non-recycled counterpart. Aegis® PIR-H60ZI is an unterminated, medium viscosity, nylon 6 homopolymer well-suited for compounding, filament and carpet fiber applications.

Typical Properties	Test Method	Unit	Value
Viscosity, FAV	ASTM D-789		60 +/- 3
96% SAV			2.81
Moisture Content	ASTM D-6869	%	Max. 0.08
Extractable Content	SOP-702-307	%	Max. 1.2
Melting Point	ASTM D-3418	°C (°F)	220 (428)
Density (Typical)	ASTM D-1505	g/cm ³	1.13
Form			Pellets

Processing Guidelines

Material Handling

Aegis® PIR-H60ZI 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.

¹Using 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.

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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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