

DESCRIPTION

Aegis® PIR-MBM resin from AdvanSix contains 100% post-industrial recycled (PIR) raw materials¹ while providing the same top performance and processability as Aegis® MBM, its standard, non-recycled counterpart. Aegis® PIR-MBM is a terminated, non-delustered, bright medium dye, medium viscosity nylon 6 resin for carpet fiber and synthetic turf extrusion applications.

PHYSICAL AND CHEMICAL PROPERTIES

GENERAL PROPERTIES	TEST METHOD	UNIT	VALUE
Parameter			
Viscosity, FAV	ASTM D-789		61 +/- 3
96% SAV			2.83
Moisture			
Moisture Content	ASTM D-6869	%	Max. 0.15
Extractable Content	SOP-702-307	%	Max. 1.1
Density (Typical)	ASTM D-1505	g/cm ³	1.13
Thermal			
Melting Point	ASTM D-3418	°C (°F)	220°C (428°F)
Forms			Pellets

PROCESSING GUIDELINES

Material Handling

Aegis® PIR-MBM 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.

NOTE

The values presented in this data sheet are typical values and are not to be interpreted as product specifications.

The values in this data sheet are for natural color resins only. Colorants or other additives may alter some or all of these properties. The data listed here fall within the normal range of product properties, but should not be used to establish specification limits nor used alone as the basis of design.

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CONTACT ADVANSIX

Contact AdvanSix to learn more about the benefits of our Nylon Resins.

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