

Technical Data Sheet

6AN-A142

Polyamide 6 Alloy

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

6AN-A142 is polyamide 6 alloy offering good mechanical properties, stiffness and thermal resistance. This product is used in automotive applications and other utility products. This grade is designed to be processed in conventional injection molding process.

General Properties

Material Status	•Commercial: Active
Forms	•Pellets
Processing Method	•Injection molding
Color	•Natural

Physical Properties	Value	Unit	Test Method
Density	1.05	gr/cm ³	ISO 1183
Shrinkage	1.5-1.7	%	Internal

Mechanical Properties	Value	Unit	Test Method
Tensile Strength @ Yield	50	MPa	ISO 527
Elongation @ Break	20	%	ISO 527
Flexural Modulus	2000	MPa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	9	kJ/m ²	ISO 180

Hardness	Value	Unit	Test Method
Durometer Hardness	75	Shore D	ASTM D2240

◆ Values shown are average & are not to be considered as product specifications.

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