

Technical Data Sheet

6AN-Supertough

Polyamide 6

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

6AN-Supertough is polyamide 6 resin offering good balance of mechanical properties and toughness. This compound provides very high impact resistance compared to typical polyamide 6 resin. This product is used in automotive applications, electrical goods, home appliance industry, 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	1.03	gr/cm ³	ISO 1183
Shrinkage	...	%	Internal
Mechanical Properties	Value	Unit	Test Method
Tensile Strength @ Yield	≥ 40	MPa	ISO 527
Tensile Strength @ Break	...	%	ISO 527
Elongation @ Break	≥ 40	%	ISO 527
Flexural Modulus	1200	%	ASTM D790
Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	> 65	kJ/m ²	ISO 180
Notched Izod Impact (-20°C)	> 25	kJ/m ²	ISO 180

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

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