

Technical Data Sheet

6AN-162

Impact Modified Polyamide 6

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

6AN-162 is polyamide 6 resin offering good balance of mechanical properties and toughness. This compound provides better impact resistance compared to typical polyamide 6 resin. This product is used in automotive applications, home appliance industry, electrical goods 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
Flammability	•HB

Physical Properties	Value	Unit	Test Method
Density	1.1	gr/cm ³	ISO 1183
Shrinkage	1.35	%	ASTM D955
Mechanical Properties	Value	Unit	Test Method
Tensile Strength @ Yield	60	MPa	ISO 527
Tensile Strength @ Break	MPa	ISO 527
Elongation @ Break	≥ 20	%	ISO 527
Flexural Modulus	2500	MPa	ASTM D790
Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	18	kJ/m ²	ISO 180
Notched Izod Impact (-20°C)	12	kJ/m ²	ISO 180
Thermal Properties	Value	Unit	Test Method
Heat Deformation Temperature (1.80 Mpa)	60	°C	ISO 75

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

Web-site: www.npolymer.com
Address: Abbas abad Industrial Zone-Tehran-Iran

E-mail: Sales@npolymer.com
Tel: (+9821)35000234 Fax: (+9821)43850755