

Technical Data Sheet

V85AN I-224H40

Homopolymer Polypropylene Toughened with EPDM

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

V85AN I-224H40 is homopolymer polypropylene toughened with EPDM offering high impact strength. This compound 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	0.94	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	5	gr/10 min	ISO 1133
Shrinkage	1.5-1.7	%	ASTM D955

Mechanical Properties	Value	Unit	Test Method
Tensile Strength @ Break	7	MPa	ISO 527
Elongation @ Break	250	%	ISO 527

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	N.B	kJ/m ²	ISO 180
Notched charpy Impact (23°C)	kJ/m ²	ISO 179

Hardness	Value	Unit	Test Method
Durometer Hardness	85	Shore A	ISO 868

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

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