

## Technical Data Sheet

# V55AN-V8199

Polypropylene toughened with EPDM

## Nirumand Polymer



**Nirumand Polymer Co.**  
Filled & Reinforced Engineering Plastics

### Product Description

V55AN-V8199 is polypropylene toughened with EPDM by high impact strength. This grade is designed to be processed in both blow molding and conventional injection molding processes.

### General Properties

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

Physical Properties	Value	Unit	Test Method
Density	0.91	gr/cm <sup>3</sup>	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	5	gr/10 min	ASTM D1238
Shrinkage	1.7-1.9	%	ASTM D955

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@yield	....	MPa	ISO 527
Tensile Strength@Break	3	MPa	ISO 527
Elongation @ Break	≥ 150	%	ISO 527

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

Hardness	Value	Unit	Test Method
Durometer Hardness	55	Shore A	ISO 868

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

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