

## Technical Data Sheet

### V55DC-ISUZU-Bumper-UV

# Nirumand Polymer



Nirumand Polymer Co.  
Filled & Reinforced Engineering Plastics

#### Product Description

V55DC-ISUZU-Bumper-UV is copolymer polypropylene toughened with EPDM and filled with mineral fillers offering high impact strength, uv resistance and appropriate toughness. This compound is used in automotive applications especially bumper parts and other utility products. This grade is designed to be processed in injection molding process.

#### General Properties

Material Status	•Commercial: Active
Forms	•Pellets
Processing Method	•Injection molding
Color	•coloured
UV Stabilization	•Yes

Physical Properties	Value	Unit	Test Method
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Density	1	gr/cm <sup>3</sup>	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	11	gr/10 min	ASTM D1238
Filler Content (750 °C, 1 hr)	10	%	ISO 3451
Shrinkage	0.9-1.1	%	ASTM D955

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

Impact	Value	Unit	Test Method
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Notched Izod Impact (23°C)	≥35	KJ/m <sup>2</sup>	ISO 180
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Hardness	Value	Unit	Test Method
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Durometer Hardness (after 5 S)	55±3	Shore D	ISO 868
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◆ Values shown are average & are not to be considered as product specifications.

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