

## Technical Data Sheet

### V45AB-V8235

Polypropylene toughened with EPDM

## Nirumand Polymer



Nirumand Polymer Co.  
Filled & Reinforced Engineering Plastics

#### Product Description

V45AB-V8235 is vulcanized EPDM offering high toughness and tear resistance. This grade is designed to be processed in both extrusion and injection molding processes.

#### General Properties

Material Status •Commercial: Active

Forms •Pellets

Processing Method •Extrusion, Injection molding

Color •Black

| Physical Properties                    | Value | Unit               | Test Method |
|--|-------|--------------------|-------------|
| Density                                | 0.98  | gr/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-flow Rate (MFR) (230°C/5 kg) | 5     | gr/10 min          | ASTM D1238  |
| Shrinkage                              | ....  | %                  | ASTM D955   |

| Mechanical Properties    | Value | Unit | Test Method |
|--------------------------|-------|------|-------------|
| Tensile Strength @ yield | ....  | MPa  | ISO 527     |
| Tensile Strength @ Break | 3     | MPa  | ISO 527     |
| Elongation @ Break       | 500   | %    | ISO 527     |

| Toughness                     | Value | Unit              | Test Method |
|-------------------------------|-------|-------------------|-------------|
| Notched Izod Impact (23°C)    | ....  | kJ/m <sup>2</sup> | ISO 180     |
| Compression Set (70°C, 22 hr) | 25    | %                 | ASTM D395   |

| Hardness           | Value | Unit    | Test Method |
|--------------------|-------|---------|-------------|
| Durometer Hardness | 45    | Shore A | ISO 868     |

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

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