

Technical Data Sheet



V85AB-X227C10

Polypropylene Toughened with EPDM

Nirumand Polymer

Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

V85AB-X227C10 is polypropylene toughened with EPDM offering high impact strength and appropriate tear resistance. This compound is designed to be processed in extrusion process.

General Properties

| | |
|-------------------|---------------------|
| Material Status | •Commercial: Active |
| Forms | •Pellets |
| Processing Method | •Extrusion |
| Color | •Black |

| Physical Properties | Value | Unit | Test Method |
|---|-------|--------------------|-------------|
| Density | 0.9 | gr/cm ³ | ISO 1183 |
| Melt Mass-flow Rate (MFR) (230°C/2.16 kg) | 1.2 | gr/10 min | ASTM D1238 |
| Shrinkage | | % | ASTM D955 |

| Mechanical Properties | Value | Unit | Test Method |
|--------------------------|-------|------|-------------|
| Tensile Strength @ Break | 9 | MPa | ISO 527 |
| Elongation @ Break | 400 | % | ISO 527 |
| Elastic Modulus | | MPa | ISO 527 |
| Flexural Modulus | | MPa | ASTM D790 |

| Impact | Value | Unit | Test Method |
|------------------------------|-------|-------------------|-------------|
| Notched Izod Impact (23°C) | | 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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