

Technical Data Sheet

V57DB-C46R-2197

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

V57DB-C46R-2197 is copolymer polypropylene toughened with EPDM and filled with mineral fillers offering high impact strength 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.

Physical Properties	Value	Unit	Test Method
Density	0.9	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	7	gr/10 min	ASTM D1238
Filler Content (750 °C, 1 hr)	≤ 4	%	ISO 3451
Shrinkage	1.5	%	ASTM D955
Mechanical Properties	Value	Unit	Test Method
Tensile Strength @ Yield	≥17	MPa	ISO 527
Tensile Strength @ Break	≥14	MPa	ISO 527
Elongation @ Break	≥30	%	ISO 527
Flexural Modulus	800	MPa	ASTM D790
Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	≥35	KJ/m ²	ISO 180
Hardness	Value	Unit	Test Method
Durometer Hardness (after 5 S)	57±3	Shore D	ISO 868

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

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