

Technical Data Sheet

V40DB-B310-C20

Copolymer Polypropylene Toughened with EPDM

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

V40DB-B310-C20 is copolymer polypropylene toughened with EPDM offering high tear resistance and impact strength. This compound is used in automotive applications and other utility products. This grade is designed to be processed in extrusion and blow molding process.

General Properties

Material Status	•Commercial: Active
Forms	•Pellets
Processing Method	•Extrusion, Blow molding
Color	•Black

Physical Properties	Value	Unit	Test Method
Density	0.94	gr/cm ³	ISO 1183
Melt Mass-flow Rate (MFR) (230°C/2.16 kg)	2	gr/10 min	ASTM D1238
Shrinkage	1.3-1.5	%	ASTM D955

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@ Break	14	MPa	ISO 527
Elongation @ Break	500	%	ISO 527

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	40	Shore D	ISO 868

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

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