

Technical Data Sheet

ABS-I6-3-4683

Acrylonitrile - Butadiene - Styrene

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

General purpose ABS-I6-3-4683 grade, is a rigid thermoplastic with good processing characteristics. It is a high injection molding grade with considerable impact strength and medium heat deflection. This grade is used for a wide range of applications including auto parts, home appliances, electrical parts/fittings, telecommunication and electronic devices.

General Properties

Material Status	•Commercial: Active
Forms	•Pellets
Processing Method	•Injection molding
Color	•Black

Physical Properties	Value	Unit	Test Method
Melt Mass-flow Rate (MFR) (220°C/10 kg)	31	gr/10 min	ASTM D1238
Shrinkage	< 0.5	%	Internal

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@Yield	35	MPa	ISO 527
Elongation @ Break	20	%	ISO 527
Flexural Modulus	2000	MPa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	18	kJ/m ²	ISO 180
Notched Izod Impact (-20°C)	kJ/m ²	ISO 180

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

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