

Technical Data Sheet

ABS20GN-I2-4641

Acrylonitrile - Butadiene - Styrene Reinforced with Glass Fiber

Nirumand Polymer



Nirumand Polymer Co.
Filled & Reinforced Engineering Plastics

Product Description

ABS20GN-I2-4641 is acrylonitrile - butadiene - styrene reinforced with 20% glass fiber with good mechanical properties, better dimensional stability and good heat resistance. This grade is intended 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	•Natural

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

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@Yield	50	MPa	ISO 527
Elongation @ Break	3	%	ISO 527
Flexural Modulus	4900	MPa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	5	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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