

## Technical Data Sheet

### ABS-I3R-3

Acrylonitrile - Butadiene - Styrene

## Nirumand Polymer



Nirumand Polymer Co.  
Filled & Reinforced Engineering Plastics

#### Product Description

ABS-I3R-3 is a recycled thermoplastic with good mechanical properties. This grade is used for a wide range of applications including auto parts, home appliances, electrical parts/fittings, telecommunication and electronic devices. This grade is designed to be used in conventional injection molding process.

#### General Properties

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

Physical Properties	Value	Unit	Test Method
Melt Mass-flow Rate (MFR) (220°C/10 Kg)	20	gr/10 min	ASTM D1238
Shrinkage	....	%	Internal

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@Yield	33	MPa	ISO 527
Elongation @ Break	...	%	ISO 527
Flexural Modulus	2100	MPa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	6	kJ/m <sup>2</sup>	ISO 180
Notched charpy Impact (23°C)	....	kJ/m <sup>2</sup>	ISO 179

Hardness	Value	Unit	Test Method
Durometer Hardness	...	Shore D	ASTM D2240

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

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