

## Technical Data Sheet

### ABS-I1-1-FR

Flame Retardant Compound

## Nirumand Polymer



Nirumand Polymer Co.  
Filled & Reinforced Engineering Plastics

#### Product Description

ABS-I1-1-FR is a special acrylonitrile- butadiene- styrene compound having self-extinguish ability making it much safer for the use in the electrical goods, housewares and home appliance complying with the UL-94 regulations, widely accepted fire safety standard. This grade with fine mechanical properties is applicable in injection molding process.

#### General Properties

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

Physical Properties	Value	Unit	Test Method
Density	1.3	gr/cm <sup>3</sup>	ISO 1183
Melt Mass-flow Rate (MFR) (220°C/10 kg)	...	gr/10 min	ASTM D1238
Flammability (3mm/ 6mm)	V-0	-	UL-94

Mechanical Properties	Value	Unit	Test Method
Tensile Strength@Yield	28	MPa	ISO 527
Elongation @ Break	3	%	ISO 527
Flexural Modulus	1800	MPa	ASTM D790

Impact	Value	Unit	Test Method
Notched Izod Impact (23°C)	3	kJ/m <sup>2</sup>	ISO 180

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

Web-site: [www.npolymer.com](http://www.npolymer.com)

E-mail: [Sales@npolymer.com](mailto:Sales@npolymer.com), [trade@npolymer.com](mailto:trade@npolymer.com)

Address: Abbas abad Industrial Zone-Tehran-Iran

Tel & Fax: (+9821)35000234

molding