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## Technical Datasheet

- **Grade Name:** Acrylonitrile Butadiene Styrene (ABS) N50
- **Application:** Electronic and electrical parts, vacuum cleaner, washing machine cover and refrigerator door cap & etc.
- **Features:** Good Rigidity, Good Impact Strength, Good Flowability.

Physical Properties			
Properties	Value	Unit	Test Method
MFI( 220°C/10 Kg)	35	g/10min	ASTM D-1238
Mechanical Properties			
Properties	Value	Unit	Test Method
Flexural Modulus	22000	Kg/cm <sup>2</sup>	ASTM D 790
Flexural strength	650	Kg/cm <sup>2</sup>	ASTM D 790
Tensile Strength at Yield	455	Kg/cm <sup>2</sup>	ASTM D 638
Tensile Elongation	20	%	ASTM D 638
Izod Impact Notched	23	Kj/m <sup>2</sup>	ASTM D 256
Rockwell Hardness (23°C)	109	R Scale	ASTM D 785
Molding Shrinkage	0.4-0.7	%	ASTM D 955
Thermal Properties			
Properties	Value	Unit	Test Method
Vicat Softening Point	95	°C	ASTM D 1525
H.D.T	85	°C	ASTM D 648

Typical Properties: These values are not to be considered as product specification.

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