

## ABS 80 Technical Datasheet

**1) Product Description:**

ABS N80 is a high flow medium impact injection grade Acrylonitrile Butadiene Styrene copolymer.

**2) Applications:**

Auto parts, home appliances, office tools and machines.

**3) Typical data:**

Property	Test method (ASTM)	Test condition	Unit	Typical value
Izod Impact	D- 256	6.4 mm , notched	KJ/m <sup>2</sup>	20
Melt flow index	D-1238	220°C , 10 kg	gr/10 min	50
Rock well hardness	D-785	.....	R-scale	110
HDT	D-648	1.82 m pa	°C	85
Vicat softening Temp	D-1525	5kg/50°C	°C	95
Tensile strength	D-638	23°C , 50 mm/min	Kg/cm <sup>2</sup>	470
Tensile elongation	D-638	23°C , 50 mm/min	%	19
Flexural strength	D-790	23°C , 2.8 mm/min	Kg/cm <sup>2</sup>	670
Flexural Modulus	D-790	23°C , 2.8 mm/min	Kg/cm <sup>2</sup>	21000
Specific Gravity	D-792	23°C	..	1.04
Molding Shrinkage	D-955	...	%	0.4-0.7
Flammability	U194	1/8inch(3.2mm)	...	HB

\* Typical values not to be construed as specifications.

