

ABS-40 Technical Datasheet

1) Product Description:

ABS N40 is a high impact injection grade Acrylonitrile Butadiene Styrene copolymer.

2) Applications:

Automotive parts, home appliances, Helmet, etc.

3) Typical data:

Property	Test method (ASTM)	Test condition	Unit	Typical value
Izod Impact	D- 256	6.4 mm , notched	Kj/m ²	32
Melt flow index	D-1238	220°C , 10 kg	gr/10 min	25
Rock well hardness	D-785	R-scale	98
HDT	D-648	1.82 m pa	°C	82
Vicat softening Temp	D-1525	5kg/50°C	°C	92
Tensile strength	D-638	23°C , 50 mm/min	Kg/cm ²	400
Tensile elongation	D-638	23°C , 50 mm/min	%	30
Flexural strength	D-790	23°C , 2.8 mm/min	Kg/cm ²	580
Flexural Modulus	D-790	23°C , 2.8 mm/min	Kg/cm ²	18000
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.