

# Technical Datasheet

## ABS-50

**كوثر شيمي**  
 Kosar Shimi  
 +9821 - 43462000  
 info@kosar.co  
 www.kosar.co

### 1) Product Description:

General purpose Acrylonitrile-Butadiene-Styrene copolymer.

### 2) Applications:

Electronic and electrical parts, vacuum cleaner, washing machine cover and refrigerator door cap & etc.

### 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>	23
Melt flow index	D-1238	220°C , 10 kg	gr/10 min	35
Rock well hardness	D-785	.....	R-scale	109
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>	455
Tensile elongation	D-638	23°C , 50 mm/min	%	20
Flexural strength	D-790	23°C , 2.8 mm/min	Kg/cm <sup>2</sup>	650
Flexural Modulus	D-790	23°C , 2.8 mm/min	Kg/cm <sup>2</sup>	22000
Specific Gravity	D-792	23°C	..	1.04
Molding Shrinkage	D-955	...	%	0.4-0.7
Flammability	U194	1/8inch(3.2mm)	...	HB