

Technical Data Sheet

ABS-40

Acrylonitrile Butadiene Styrene

Characteristic: High Impact Resistance

Application: Automobile parts (radiator grill & etc.), Helmets, Toys, Suitcase, shoe heels, skis, Golf club heads, Sports equipment, suitcases, & etc.

Properties	Test method (ASTM)	Test condition	Units	Value	ABS- 40 Specification
Izod impact	D-256	6.4 mm , notched	Ki/m ²	32	Min26
Melt flow index	D-1238	220°C , 10 kg	gr/10 min	25	18-28
Rock well hardness	D-785		R-scale	98	90-110
HDT	D-648	1.82 m pa	°c	82	Min82
Vic at softening Temp	D-1525	5kg/50°C	°c	92	Min 93
Tensile strength	D-638	23°C , 50 mm/min	Kg/cm ²	400	Min 390
Tensile elongation	D-638	23°C , 50 mm/min	%	30	Min 25
Flexural strength	D-790	23°C , 2.8 mm/min	Kg/cm ²	580	Min 530
Flexural Modulus	D-790	23°C , 2.8 mm/min	Kg/cm ²	18000	Min15000
Specific Gravity	D-792	23°C		1.04	1.04
Molding Shrinkage	D-955	...	%	0.4-0.7	0.4-0.7
Flammability	UI94	1/8inch(3.2mm)	...	HB	HB

A moisture level of ≤0.1% should be reached before injection molding the resin.

Some modifications may be required depending on the specific molding equipment and part configuration.

Packing: 25 Kg bags