

Technical Data Sheet

ABS-70

Acrylonitrile Butadiene Styrene

Characteristic: Super High Impact Resistance

Applications: Super High Impact Resistance, Automobile parts (radiator grill & etc.), Helmets, Toys, Suitcase, Profiles Released extruded product, Bobbin sleeve, Boats, pipe, bath tubs & etc.

Properties	Test method (ASTM)	Test condition	Units	Value	ABS-70 Specification
Izod impact	D-256	6.4 mm , notched	Kj/m ²	26	MIN23
Melt flow index	D-1238	220°C , 10 kg	gr/10 min	14	8-16
Rock well hardness	D-785	...	R-scale	113	100-120
HDT	D-648	1.82 m pa	°c	90	MIN85
Vicat softening Temp	D-1525	5kg/50°C	°c	100	MIN96
Tensile strength	D-638	23°C , 50 mm/min	Kg/cm ²	470	MIN440
Tensile elongation	D-638	23°C , 50 mm/min	%	25	MIN18
Flexural strength	D-790	23°C , 2.8 mm/min	Kg/cm ²	670	MIN650
Flexural Modulus	D-790	23°C , 2.8 mm/min	Kg/cm ²	23000	MIN20000
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

Packing: 25 Kg bags