



GHAED BASSIR

PETROCHEMICAL PRODUCTS CO.,.

ABS- 50

Classification: General purpose > Medium Impact and Easy Flow.

Characteristics: Easy Flow

Application: Home appliances, Automobile parts, office Equipment, sanitary ware, miscellaneous goods, Toys, Vacuumed cleaner parts, washing panel, etc.

Property	Standard ASTM (ISO)	Test Condition	Unit	Typical Property
Izod impact	D-256 (180)	6.4mm,notched	Kj/m2 (ft.lb/in)	23 (4.2)
Melt flow index	D-1238 (1133)	220°C/10kg	g/10min	34
Rock well Hardness	D-785 (2039/2)	R-scal	108
HDT	D-648 (75/4)	1.82MPa (264psi) un annealed	°C (°f)	85 (185)
Vicat Softening Temp.	D-1525 (306B)	°C (°f)	95 (203)
Tensile Strength	D-638 (DIS527/D)	23°C,50mm/min	Kg/cm2 (psi)	450 (6390)
Tensile Elongation	D-638 (DIS527/D)	23°C,50mm/min	%	20
Flexural Strength	D-790 (178)	23°C,2.8mm/min	Kg/cm2 (psi)	650 (9230)
Flexural Modulus	D-790 (178)	23°C,50mm/min	Kg/cm2 (psi)	21000 (298200)
Specific Gravity	D-792	23°C	...	1.04
Mold Shrinkage	D-955	%	0.4~0.7

Note1) ABS-50 is ideal for self coloring, Special Colors can be arranged on request.

Note2) these are typical property values, not specification.

Note3) In case of colored products the values could slightly differ by color.

Note4) Values are measured at 23°C and RH OF 50%On Injection molded specimens in natural color.