

For ABS Material used

Bayer ABS Limited (India)

Typical Property Data Sheet
ABSOLAC – 300
 High impact, Medium flow grade

Property	ASTM Test Method	Test Condition	Unit	Typical Value
Rheological properties				
Melt flow index	(ISO 1133)	220 C /10Kg	gms/10 min	35
Mould shrinkage	D 955	Parallel	%	0.4 to 0.6
Thermal Properties				
Vicat Softening temperature	D 1525	Cond: B-50N	C	99
HDT, annealed 80 C/4h	D 648	1.80 Mps	C	93
HDT, annealed 80 C/4h	D 648	0.45 Mpa	C	100
Flammability UL 94	(UL94)			HB
Coefficient of linear thermal Expansion	D 696	(23-55 C)	10E-4/C	0.7 to 1.0
Mechanical Properties				
Rockwell hardness	D 785	23 C	R-scale	105
Tensile strength at yield	D 638	50 mm/min	Kg/cm ²	500
Tensile Modulus	D 638	50 mm/min	Kg/cm ²	27000
Flexural strength	D 790	5 mm/min	Kg/cm ²	750
Flexural modulus	D 790	5 mm/min	Kg/cm ²	25000
IZOD notched impact strength (at 1/4 “ thickness)	D 256	23 C	Kg-cm/cm	18
IZOD notched impact Strength (at 1/16 “ thickness)	D 256	23 C	Kg-cm/cm	23
Other Properties				
Specific gravity	D 792			1.04
Filler content				