

ABS

Product features:

- Best grade material, sticks easily to print bed, no warping or crack under control print condition.
- 1.75/2.85 mm Filament Diameter (Dimensional Accuracy +/- 3% of diameter).
- Vacuumed Sealed with Desiccant and box packed.
- Recommended Extrusion/Nozzle Temperature 225°C - 255°C and Heated bed 100°C -110°C.
- Available in multiple colour options.
- Tailor made colour available for order of more than 50 kg.

Technical Data:

Property, Test Condition	Standard	Unit	values
Rheological Properties			
Melt flow index 220 °C/10 kg	ISO 1133	gms/10 min	35
Mould Shrinkage	D 955	%	0.4-0.6
Mechanical Properties			
Rockwell Hardness	ISO 2039/2	R-Scale	105
Tensile Strength at yield (50 mm /min)	D 638	Kg/cm2	525
Tensile Modulus (50 mm /min)	D 638	Kg/cm2	27,000
Flexural strength (5mm/min)	D 790	Kg/cm2	750
Flexural modulus(5mm / min)	D 790	Kg/cm2	26,000
Izod notched impact strength (at 1/4" thickness)	D 256	Kg cm/cm	21
Izod notched impact strength (at 1/8" thickness)	D 256	Kg cm/cm	24
Thermal Properties			
Vicat Softening Temperature	D 1525	°C	97
Heat Deflection Temperature (annealed 80°C/ 4 Hrs , 1.80 MPA)	D 648	°C	92
Heat Deflection Temperature (annealed 80 °C/ 4Hrs; 0.45 MPa)	D 648	°C	96
Other Properties			
Specific gravity	D 792		1.04

CURRENT AVAILABILITY OF COLOURS:



NATURAL



WHITE



BLACK



RED



YELLOW



FL GREEN



BLUE



GREY