

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