

ABS Pro-DM

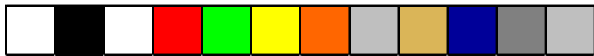
ABS Pro-DM is our take on a next-generation ABS filament. By applying our zero-warp technology to the filament we have created a filament with far less cracking, proven near perfect interlayers, reliable bed adhesion (glass, tape & other adhesives) while improving the mechanical properties making ABS Pro-DM extra strong. These properties make ABS Pro-DM the ultimate ABS replacement that prints strong and beautiful parts on any FDM 3D printer without the common headaches associated with regular ABS like warping & horrible bed adhesion. ABS Pro-DM is the perfect material for strong objects that require a high impact tolerance.

Material features:

- Zero warp technology
- Excellent interlayer adhesion
- Reliable bed adhesion (Glass, tape & other adhesives)
- Enhanced mechanical properties over regular ABS
- Great strength & aesthetics

Colors:

ABS Pro-DM is available from stock in 12 colors.



Filament specs.

| Size | Ø tolerance | Roundness |
|--------|-------------|-----------|
| 1,75mm | ± 0,05mm | ≥ 95% |
| 2,85mm | ± 0,10mm | ≥ 95% |

Material properties

| Description | Test method | Typical value |
|--|-------------|----------------------|
| Specific gravity | ISO 1183 | 1,1 g/cc |
| MFR 260 °C/5 kg | ISO 1133 | 41 gr/10 min |
| Tensile strength at yield | ISO 527 | 43,6 MPa |
| Strain at break | ISO 527 | 34% |
| Tensile Modulus | ISO 527 | 2030 MPa |
| Impact strength - Charpy method 23°C (notched) | ISO 179 | 58 kJ/m ² |
| Printing temp. | DF | 245 ±10 °C |
| Melting temp. | ISO 294 | 235 ±10 °C |
| Vicat softening temperature | ISO 306 | 97 °C |

Additional info:

Recommended temperature for heated bed is ± 80°C.

ABS Pro-DM is printed at high temperatures to make the final product extra strong. ABS Pro-DM can be used on all common desktop FDM or FFF technology 3D printers. Storage: Cool and dry (15 -25°C). This enhances the shelf life significantly.