Fused Deposition Modeling (FDM)

ABS (Standard grade)

Key Features

Electrical insulation • Strength • Thermal stability • Chemical resistance

Applications

Prototyping • End-use parts • Automotive • Electronics • Consumer goods

Product Description

ABS for FDM is tailored for industrial use, boasting exceptional process reliability and suitability for mechanically demanding components. With electrical insulating properties, ABS ensures reliable performance in various applications. It is optimized for excellent layer adhesion, thermal stability, enhanced flow properties, and minimal warping during production.

Properties

| Tensile modulus | 2,350 MPa |
|--|------------------------|
| Tensile strength | 49 MPa |
| Elongation at break | 10% |
| Flexural strength | 78 MPa |
| Flexural modulus | 2,550 MPa |
| Melting temperature (20°C/min) | 180 - 200°C |
| Heat deflection temperature (0.45 MPa) | 85°C |
| Softening temperature | 92°C |
| Density | 1.06 g/cm ³ |
| Hardness (Rockwell) | 110 |
| Flame retardancy | UL 94 HB |

Reference

For more detailed source information, please consult the original document linked <u>here</u>. We encourage users to verify the data's relevance and suitability for their specific needs.



