

Technical Datasheet ABS

General Information

General information	ABS Filament
polymer name	Acrylonitrile Butadiene Styrene

Filament specifications

Trade diameter	1.75	mm
physical diameter	1.75	mm
tolerance	0.05	mm

Material specifications

Property	Value	unit	Test method
Physical			
Density	1.05	g/cc	ISO 1183
Mechanical			
Flexural Modulus	1983	MPa	ISO 178
Flexural Strength	76	MPa	ISO 178
Tensile Modulus	1950	MPa	ISO 527
Tensile Strength	41	MPa	ISO 527
Tensile Elongation, Break	10	%	ISO 527
Thermal			
Glass Transition Temperature (Tg)	105	°C	DSC
Heat Distortion Temperature (HDT) @0.45MPa	95.9	°C	ISO 75