



MATERIAL DATA SHEET

extrudr ABS

DESCRIPTION

Acrylonitrile Butadiene Styrene (ABS) is a very popular thermoplastic. It has a wide range of properties, making it suited to a large number of applications.

APPLICATION

The strength, flexibility, machinability and high-temperature resistance of ABS often makes it the plastic preferred by engineers and people intending to use plastic in a mechanical context.

STORAGE AND SHELF LIFE

Store at room temperature (18-27°C / 65-80°F), out of direct heat and sunlight, and in a dry place. When stored correctly, this material has a shelf life of 1 year.

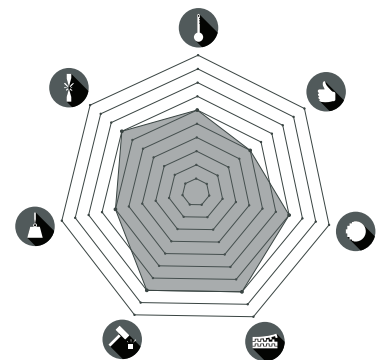
PROPERTIES

TEST	METHOD	UNIT	VALUE
Flexural modulus	ASTM D790	MPa	2350
Tensile strength	ASTM D638	MPa	42,5
Breaking stress	ASTM D882	%	5,5
Elongation at break	ASTM D638	%	30
E-Modulus	ASTM D638	Mpa	2150
Flexural strength	ASTM D790	MPa	67,35
Impact resistance	ASTM D256	kJ/m ²	250 J/m
MFR	ASTM D1238	g/10 min	44
Melting temperature	ISO 3146-C	C°	180-200
VICAT A (VST)	ASTM D1525	C°	94
Shrinking	ASTM D955	%	0,4
Density	ASTM D792	g/cm ³	1,05

TECHNICAL SUPPORT

Contact us regarding any questions, improvement suggestions, or problems with this product.

EMAIL support@extrudr.eu



VISUAL QUALITY

7



HIGH TEMPERATURE RESISTANCE

6



LAYER ADHESION

8



IMPACT RESISTANCE

8



ELONGATION AT BREAK

7



MAXIMUM STRESS

6



EASE OF PRINTING

5