



# MATERIAL DATA SHEET

## extrudr FLEX HARD

### DESCRIPTION

The Extrudr TPU Flex line, which features Extrudr TPU Flex in varying degrees of hardness, has been developed mainly for use with industrial machinery.

### APPLICATION

Due to its chemical and mechanical resistance, TPU is primarily used in the car and footwear industry.

### 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.

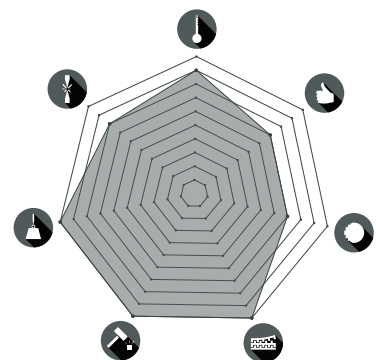
### PROPERTIES

TEST	METHOD	UNIT	VALUE
Tensile strength	ISO 527-2	MPa	42
Breaking stress	ISO 527-2	%	490
Melting temperature	ISO 3146-C	C°	180-200
VICAT A (VST)	ISO 306	C°	137
Density	ISO 2781	g/cm <sup>3</sup>	1,2
Hardness	ISO 868	Shore	D58
Tear Strength unnicked	ISO 34-1B	kN/m	171

### TECHNICAL SUPPORT

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

EMAIL [support@extrudr.eu](mailto:support@extrudr.eu)



VISUAL QUALITY

7



HIGH TEMPERATURE RESISTANCE

9



LAYER ADHESION

10



IMPACT RESISTANCE

10



ELONGATION AT BREAK

8



MAXIMUM STRESS

10



EASE OF PRINTING

7