



# MATERIAL DATA SHEET

## extrudr FLEX MEDIUM

### 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.

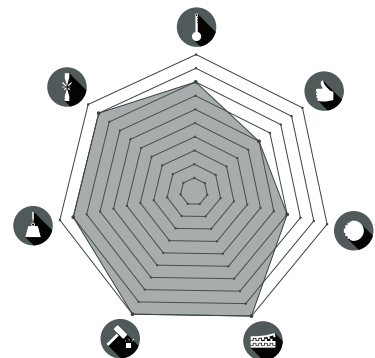
### PROPERTIES

| TEST                   | METHOD     | UNIT              | VALUE   |
|------------------------|------------|-------------------|---------|
| Tensile strength       | ISO 527-2  | MPa               | 42      |
| Breaking stress        | ISO 527-2  | %                 | 475     |
| Melting temperature    | ISO 3146-C | C°                | 180-200 |
| VICAT A (VST)          | ISO 306    | C°                | 110     |
| Density                | ISO 2781   | g/cm <sup>3</sup> | 1,15    |
| Hardness               | ISO 868    | Shore             | A98     |
| Tear Strength unnicked | ISO 34-1B  | kN/m              | 176     |

### 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

8



LAYER ADHESION

10



IMPACT RESISTANCE

10



ELONGATION AT BREAK

9



MAXIMUM STRESS

9



EASE OF PRINTING

6