

## Maxflex M-LA-100 Series

### Product Description

M-LA-100 series is a single-layer medical-grade thermoplastic polyurethane sheet designed for clear orthodontic and dental appliances. Besides its exceptional stain resistance and transparency, this series provides excellent durability. They are ideal sheets for clear aligners and retainers.

M-LA-100 series is available in the following forms and dimensions:

- Roll width: 137 mm
- Sheet Ø: 120/125 mm
- The thickness of roll/sheet: 1.00/0.76 /0.63/0.40 mm

### Key Attributes

- Highest initial force for fast movement of the teeth
- Fast and easy fabrication
- Excellent stain resistance and transparency
- Excellent durability and crack resistance
- Excellent abrasion resistance
- Protective film is optional

### Physical Properties

Property	Test Method	Typical Value*
Tensile modulus (MPa)	YY/T 1819-2022	2310
Yield stress (MPa)	YY/T 1819-2022	59
Yield strain (%)	YY/T 1819-2022	5.2
Angle tear strength (KN/m)	YY/T 1819-2022	70
Flexural modulus (MPa)	ASTM D790	2380

\* Values are based on sheet products unless noted otherwise. The properties reported here are typical of average lots.

\* YY/T1819-2022 is a Chinese National Pharmaceutical Industry Standards for Dental Sheets

### Packaging

M-LA-100 series rolls and sheets are packed in a sealed aluminum bag. For more information about this product series, please get in touch with our sales representative.