

# Splint Flex Resin

Suitable for night guard and medical application.

- Low Skin Irritation
- Low Skin Allergenic
- Low Shrinkage
- High Transparency
- High Elongation
- High Impact Strength



Learn More

Color: **Transparent**  
 Specification: **500/1000g**  
 Compatible with **DLP/LCD**  
 Applicable light source band: **385-405nm**



ISO - 10993  
 ISO - 13485<sup>1</sup>

<sup>1</sup>Quality Management System (ISO - 13485) in the process of certification

## Resin Property (Post-cure)

|                              |                  |           |         |
|------------------------------|------------------|-----------|---------|
| Hardness                     | ASTM D 2240      | 75-80     | Shore D |
| Flexural modulus             | ASTM D 790       | 1000-1200 | MPa     |
| Flexural strength            | ASTM D 790       | 30~40     | MPa     |
| Tensile modulus              | ASTM D 638       | 300-400   | MPa     |
| Tensile strength             | ASTM D 638       | 25-30     | MPa     |
| Elongation at break          | ASTM D 638       | 120-150   | %       |
| Impact strength,notched Izod | ASTM D 256       | 180-250   | J/m     |
| Heat deflection temperature  | ASTM D648 @66PSI | 60-70     | °C      |

Withstands high-temperature sterilisation at 135°C without cracking or deformation.