



# Basis ELAST

New Rigid-Type  
NYLON

Thermoplastic Injection Resin for Denture Base

## Monomer-Free, Rigid For Tissue-Colored Clasp Dentures

(Nylon material with moderate elasticity needed for non-metal clasp dentures)



Packing	
300g/pack	1kg/pack
Shade	Marble α

## Advantages

### Durability

- Excellent Color Stability
- High Stain Resistance
- High Dimensional Stability

### Usability

- Easy to Finish and Polish
- Excellent Fit
- Minimal Shrinkage

### Property

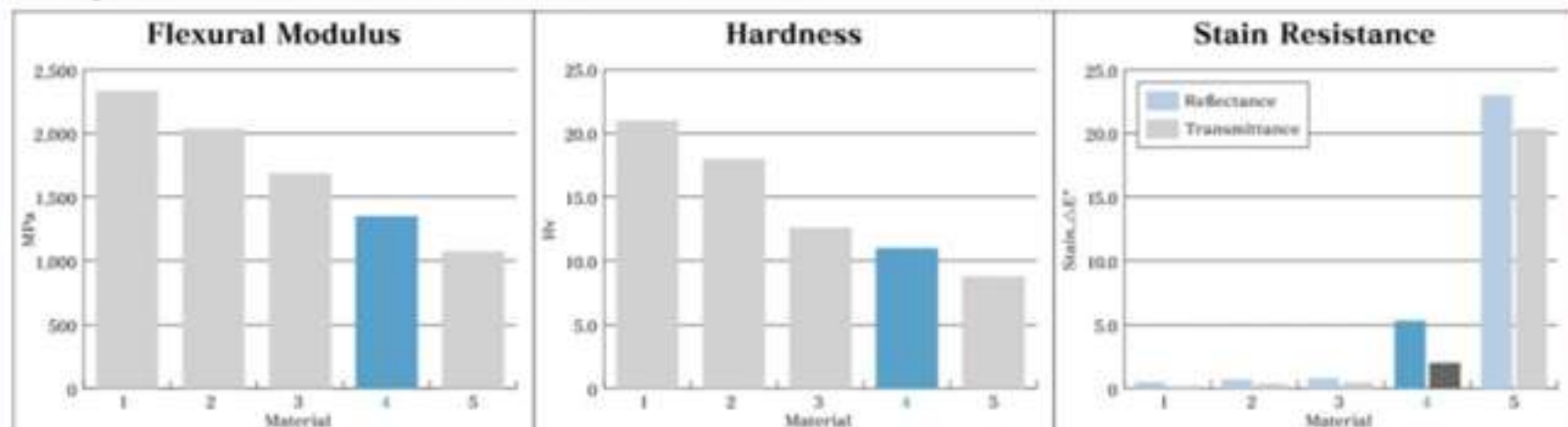
- Dynamic Strength Flexibility
- High Impact Resistance
- Low Water Absorption

Basis ELAST mediates the strength between Polycarbonate and Soft-Type Nylon denture materials. This characteristic paves the physical advantage for high dimensional stability and high level of dynamic flexibility. Basis ELAST's hardness is proximate to that of Polycarbonate and Soft-Type Nylon. This level of hardness translates to high impact resistance property. Basis ELAST's hardness is superior to that of Soft-Type Nylon – a physical lead for easier polishing. Basis ELAST's stain resistance proves much greater to that of Soft-Type Nylon. (The larger the  $\Delta E$ , the more susceptible the material is to stains.) This guarantees superior chemical resistance and excellent color stability.

## Physical Properties

Flexural Strength	83MPa
Flexural Modulus	1,392MPa
Vickers Hardness	11.0Hv
Elasticity	8.7mm
Sorption	24.8 $\mu\text{g}/\text{mm}^3$

## Comparative Data of Denture Base Materials



Material 1. Conventional Acrylic 2. High Impact Acrylic 3. Polycarbonate 4. Basis ELAST 5. Soft-Type Nylon