

New

Silicone Oligomer Coating Agents



High hardness



Crack resistance



Yellowing resistance

High Hardness & Crack Resistance Type X-40-9312

Room
Temperature
Cure

- Features**
 - Forms coating layers with high hardness and crack resistance
 - Excellent resistance to yellowing and cracking after irradiation with light

General Properties

| Parameter | Product name | X-40-9312 |
|-------------------|--------------------|---|
| Appearance | | Colorless to pale yellow transparent liquid |
| Viscosity | mm ² /s | 250 |
| Active ingredient | wt% | 100 |

(Not specified values)

Yellowing Resistance Test Results

Test method: Catalyst: D-25 (5 wt %)
Substrate: Glass
Coating method: Bar coater (wet : 30μm)

Curing conditions: 25°C × 1 day → 150°C × 2 h
UV-irradiation test conditions: Sterilization lamp, 25°C × 2 weeks

| Parameter | Product name | X-40-9312 | KR-401N |
|----------------------------------|--------------|-----------------------|-------------------------|
| Crack resistance after UV test | | + | - |
| Appearance after UV test | | Colorless transparent | Pale yellow transparent |
| ΔYI before and after the UV test | | 0.2 | 2.6 |

(Not specified values)

Map of Physical Properties of Coating

