



Gelest Zipcone™ UE

Ultraviolet Cure Clear Silicone Elastomers

Features: Provides an abrasion resistant UV cure silicone elastomer coatings with high transparency and refractive index control.

Applications:

optical component coating - effective cladding and elastomeric seals.

optical thermoplastics - provides scratch resistance for polycarbonates and polymethacrylates.

Applications include glazing, windscreens and computer screens.

Capsular Description:	Thickness		Cure		Hardness		Type	
		thin to thick		UV		medium		1-part

Zipcone™ UE Abrasion Resistant - UV Cure

Description

Zipcone™ UE is a primerless epoxyhexyl modified silicone designed for UV cure.

Film Properties

Color	clear
Abrasion Resistance, Taber 500 cycles 500g CS10F	4-9
Refractive Index	1.470

Uncured Properties

Form	liquid
Solids	100%
Viscosity	25-75 cSt.
Specific Gravity	0.99
Flashpoint	57°C

Shelf life: 3 months when stored below 25°C in sealed, light-protected containers.

Standard Packaging

PP1-ZPUE Zipcone™ UE
100g/\$51.00
1kg/\$360.00

Caution

Use in a well-ventilated area.
Combustible.
Avoid contact with skin and eyes.

Application Methods

Zipcone™ UE is applied as a coating by spraying, dipping or brushing. Exposure to UV irradiation at 250-300 nm (type H lamp preferred with a minimum energy density of 150mj/cm² cures the coating in <1 minute. Thinner coatings may be applied by diluting with dry methoxypropanol or isopropanol.