

Bomar™ BR-343 Polyether Urethane Acrylate

APPLICATIONS

- **Nail Coating**

FEATURES

- **Non-yellowing**
- **High clarity**

FEATURES

- **High Elongation**
- **Low Chemical Resistance**

Bomar™ BR-343 is a difunctional, polyether urethane acrylate oligomer. This material can be formulated to provide the consumer with a color-stable UV-curable coating that has high elongation. It also has low chemical resistance for ease of removability in temporary coatings. BR-343 is INCI registered, and can be employed in cosmetic applications.

UNCURED PROPERTIES	
Property	Value
Viscosity, cP (60°C)	2,250
Pt-Co (APHA) Color or Gardner Color	25 APHA

TYPICAL FORMULATIONS	
Test Formulation Name	I30
BR-343	70
IBOA	30
Irgacure® 481	2
Viscosity, 25°C *	2,800

* Brookfield – CAP 2000+ @ 25°C

CURED MECHANICAL PROPERTIES	
Property	I30
Tensile Strength, psi	180
Elongation, %	170
Elastic Modulus, ksi	0.12
Durometer Hardness	46A
MEK Double Rubs (#)	3

** Per ASTM D882

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