



## TECHNICAL DATA SHEET

### G-Cure® 176BL76

An acrylic polyol (27-0176)

#### General description:

G-Cure 176BL76 acrylic resin is a hydroxyl functional acrylic copolymer designed to produce low VOC high performance coatings. Coatings with an application VOC of 2.8 - 3.0 lbs/gal can be produced. It will react at room temperature with aliphatic polyisocyanates to give excellent application properties. Coatings formulated with G-Cure 176BL76 exhibit excellent chemical and weathering resistance with very good gloss retention.

#### Technical features:

1. 2.8 - 3.0 lbs/gal VOC coatings
2. Excellent chemical and weathering resistance
3. Very good gloss retention

#### Suggested uses:

1. Heavy-duty maintenance and industrial coatings
2. Railcar, bridge and heavy equipment coatings

**Delivery form:** 75.5% non-volatile in n-butyl acetate

#### Typical properties:

Property	Value	Units	Method *
Non-volatile, by weight	75.5 ± 1.5	%	1 – 1
Viscosity, Brookfield (77°F)	6500 – 13000	cps	2 – 2
Hydroxyl value (on n.v.)	106 – 130		6 – 1
Color	200 maximum	APHA	3 – 2
Appearance	clean, clear and free from extraneous matter; may turn opaque when stored below 30°F: if this occurs, warm above 40°F until clear		7 – 1

\*SDM: Nuplex Resins methods of determination (available on request)

HEW on n.v.: 460  
Density: 8.60 ± 0.10lbs./gal. Non-volatiles, by vol.: 69.0%  
Flash point: 84°F Setafash

*On DSL Inventory*

**Recommended Reaction Ratios:** 610 gm G-Cure 176BL76/ 191 gm Tolonate HDT<sup>(Rhodia)</sup>  
610 gm G-Cure 176BL76/ 194 gm Desmodur N-3300 (Bayer)

**Updated:** June, 2009

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