Hycar® 27031

Acrylic co-polymer

HYCAR® 27031 is firm self-crosslinking polymer that delivers the cure performance of formaldehyde containing polymers without exposure to formaldehyde. HYCAR® 27031 can eliminate the need for external crosslinking resins like, melamine formaldehyde, typically added to coatings containing traditional self-crosslinking emulsion polymers. In glass fiber saturation applications, HYCAR® 27031 provides good tensile strength, stiffness, hydrophilic performance. HYCAR® 27031 can help keep your manufacturing plant compliant with worker exposure regulations and air emission limits. Suggested drying and curing conditions are 130°C-160°C for 2-3 minutes.

FEATURES AND BENEFITS

- High Tensile Strength
- Self-Crosslinking
- Stiff

CHARACTERISTICS

Characteristic Name	Value
Appearance	White Emulsion
Density (g/cc @ 25 °C)	1.04
Density (lb/gal @ 25 °C)	8.66
Freeze/Thaw Stability	Protect from freezing
MFFT (°C)	+47°

REGULATORY

- Formaldehyde-Free[1]
- Low VOC[4]

[1]Not intentionally added to the composition of this product

[4]Suitable for coating formulations where less than 140 g/l VOC (US EPA Method 24) or 75 g/l VOC (ISO 11890-1, Method 2) is desired based on calculations.

APPLICATIONS

- Fiberglass Media
- Batteries & Displays

AVAILABLE REGIONS

- Asia Pacific

REGULATORY STATUS

Please see the product's current material safety data sheet, SDS, for regulatory information. You can request an SDS at www.lubrizol.com/coatings.
Should you have questions on additional topics, please feel free to contact your Lubrizol representative or one of our regional Customer Assistance groups listed here:
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