

ESSENTIAL R4310

ALIPHATIC POLYURETHANE/ACRYLIC HYBRID

DESCRIPTION

Essential R4310, a 41% solids urethane/acrylic hybrid based on aliphatic diisocyanate and a polyether polyol, has been designed for applications where hydrolytic stability and elastometric properties are required. R4310 is non-yellowing and exhibits high elongation, excellent flexibility and rebound. In addition to extremely low VOC's, 42 g/l, it is HAP's-free.

KEY BENEFITS

- HAP's-Free
- Low VOC
- Elastometric
- Hydrolytic Stability

TYPICAL PROPERTIES*

Appearance	Opaque White
pH	8.5
Solids, % by Weight	41
Viscosity, cP @ 25°C - Brookfield, LV2, 60rpm	< 1000
Density Lbs./Gal.	8.70
VOC Level (As Supplied)	
Lbs./Gal.	0.35
G/L	42
Particle Charge	Anionic
Acid Number	23

**These values should not be interpreted as specifications.*

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ESSENTIAL R4310 FILM PROPERTIES

All tests were performed on coatings kept at 77°F and 50% RH for seven days before testing.

Tensile Strength, PSI	3635
Elongation at Break, %	230
Tests Performed on Aluminum Panels (1-Mil Dry Films)	
Konig Hardness (Seconds) (1 day, 7 day)	62, 64
Grit Feed Taber Abrasion (Mg Loss, 500 Cycles, 1000g)	8