

ESSENTIAL R4388

POLYURETHANE/ ACRYLIC HYBRID

Essential R4388, a solvent-free urethane/acrylic hybrid, has been designed for excellent abrasion resistance. R4388 offers a good combination of film hardness, flexibility and toughness making it an ideal polymer candidate for topcoat applications.

For improved resistance, Essential R4388 can be cross-linked with either a polyaziridine or a trimer. These 2-K systems exhibit excellent gloss and exceptional chemical and mar resistance.

KEY BENEFITS

- Low VOC
- Solvent-free
- n-MP-free
- Abrasion resistance
- High solids

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TYPICAL PROPERTIES*

Appearance	Milky White
pH.....	7.7
Solids, % by Weight	39.0
Viscosity, cps @ 25°C	< 300
Density, lbs/gal	8.8
% VOC	1.4
Acid Number	20
Freeze/Thaw Stability	Passes 3 cycles
Konig Hardness (secs).....	79

*These values should not be interpreted as specifications.



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Film Properties

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

Tensile Strength, PSI 2425
Elongation at Break, %..... 90

Tests Performed on Aluminum Panels (1-Mil Dry Films)

Konig Hardness (Seconds) 1 Day, 7 Day 79, 79
Grit Feed Taber Abrasion (Mg Loss, 500 Cycles, 1000g) 3