

ESSENTIAL R4388

ALIPHATIC POLYURETHANE/ACRYLIC HYBRID

DESCRIPTION

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

TYPICAL PROPERTIES*

Appearance	Translucent
pH	7.7
Solids, % by Weight	41
Viscosity, cP @ 25°C - Brookfield, LV2, 60rpm	< 300
Density Lbs./Gal.	8.75
VOC Level (As Supplied)	
Lbs./Gal.	0.38
G/L	45
Particle Charge	Anionic
Acid Number	26

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

Visit us on the web at www.essentialrmd.com

* DISCLAIMER: The information and recommendations contained herein are based on data believed to be correct. The information is offered solely for the customer's consideration, investigation and verification because of numerous factors beyond our control affecting the results of the use of products, Essential Industries, INC. makes no warranty of any kind, expressed or implied, including those of merchantability and fitness for a particular purpose, other than that the product conforms to its applicable current standard specification. The manufacturer's only obligation shall be to replace such quantity of the product proven to be defective.

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ESSENTIAL R4388 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