

ESSENTIAL R4584

SILICONE-MODIFIED POLYURETHANE DISPERSION

Essential R4584 is a silicone-modified polyurethane dispersion for use where coatings require outstanding mar and scratch resistance properties and a lower coefficient of friction is seen as a benefit. Essential R4584 will also impart to your coating water-beading/sheeting properties as low as 7.5% based on resin solids.

Can be blended with acrylic polymers to create coatings for wood, metal, and plastics.

KEY BENEFITS

- Mar and scratch resistance
- Lower coefficient of friction
- Silicone-modified

TYPICAL PROPERTIES*

Appearance	Translucent
pH	8.0
Solids, % by Weight.....	39.0
Solids, % by Volume	34.5
Viscosity, CPS.....	< 800
Density, Lbs./Gal.	8.80
VOC Level (As Supplied)	
Lbs./Gal.....	1.7
G/L	205
Particle Charge	Anionic
Acid Number	23

Film Properties

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

Tensile Strength, PSI.....	750
Elongation at Break, %	350

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

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.



The Spark of Innovation

Visit us on the web at
www.essentialpolymers.com

28391 Essential Road • P.O. Box 12
Merton, WI 53056-0012
(262) 538-0091 • FAX: (262) 538-1354