

# Ure-Fil® 9

## Fumed Silica Thickening Agent



www.smooth-on.com

### PRODUCT OVERVIEW

Ure-Fil® 9 untreated fumed silica is a synthetic, amorphous, colloidal silicon dioxide that is generally regarded as unique in industry because of its unusual particle characteristics. Ure-Fil® 9 fumed silica's extremely small particle size, its enormous surface area, its high purity, and its chain-forming tendencies set it apart in a class of its own. Ure-Fil® 9 fumed silica is a light, fluffy powder that is white in appearance and is used in many applications and in a variety of industries. Ure-Fil® 9 can be used to thicken Smooth-On rubber to aid in building thickness for brush-on applications.

### TYPICAL PROPERTIES

<b>B.E.T. Surface Area</b>	200 m <sup>2</sup> /g
<b>pH (4% aqueous slurry)</b>	3.7 – 4.3
<b>325 Mesh Residue (44 microns)</b>	0.02% max.
<b>Tamped Density</b>	50 g/l
<b>Loss on Heating*</b>	< 1.5%
<b>Specific Gravity</b>	2.2 g/cm <sup>3</sup>
<b>Wt. per gallon</b>	18.3 lb
<b>Refractive Index</b>	1.46
<b>X-ray Form</b>	Amorphous
<b>Assay (% SiO<sub>2</sub>)</b>	> 99.8
<b>Oil Adsorption</b>	~350 g/100 g oil
<b>Average Particle (Aggregate) Length</b>	0.2 – 0.3 microns

\*At time of packaging.



**Call Us Anytime With Questions About Your Application.**

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The new [www.smooth-on.com](http://www.smooth-on.com) is loaded with information about moldmaking, casting and more.

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