



REACTAMINE® AOSR Data Sheet

CODE: AOSR (ReactAmine® Acrylic Oligomer)

ReactAmine® AOSR is an aliphatic triacrylate oligomer. **AOSR** is light in color and has fast cure response to UV and EB. **AOSR** exhibits good flexibility, toughness, abrasion resistance, water resistance, and excellent non-yellowing properties.

ReactAmine® AOSR when used in unsaturated polyesters, allows the styrene monomer content to be reduced to lower V.O.C.'s. Impact strength in gel coats improves dramatically, UV stability improves, water resistance increases, and gloss retention is higher. Laminating resin improve in cure and Barcol hardness.

Uses Level:

Suggested Levels > 10% PBW
Promoter Levels must be added to maintain the same reactivity.

Specifications:

Viscosity at 25°F	450 cps
Color, Gardner	1 Max
Density lbs. / gal.	9.1 Max
Functionality	3.0
Polymer Solids	100%
Molecular Weight	1500

Storage Stability:

A 6-month study was performed on **AOSR** @ 60°C. No change was noted in viscosity or molecular weight. A 45 hour study was on **AOSR** at 60°C. Results showed no polymerization. **AOSR** was also brought to 20°F for 24 hours to check for freezing. Results showed **AOSR** to be still liquid.

Notice:

The information describing the physical properties of samples made from these chemicals is offered in good faith and should be used only as a guide for design requirements. Results may vary due to different equipment and conditions. **Engineered Polymers International, LLC** makes no warranty expressed or implied of its products and shall not be liable for indirect or consequential damages in any event.

