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CHEMICAL DISPERSIONS
-DLD's-

AKROSORB™ 29582 EGDMA (75)
-Ethylene Glycol Dimethacrylate (75%)-

PRODUCT DESCRIPTION:

Akrosorb 29582 is a 75% active dispersion of Ethylene Glycol Dimethacrylate (EGDMA) on synthetic calcium silicate. EGDMA is a di-functional peroxide co-agent. Because EDGMA is a liquid normally used in smaller quantities, this non-dusting, free-flowing powder aids weigh-up and batch addition.

TYPICAL PROPERTIES:

Specific Gravity.....	1.20
Appearance	off white powder
Percent Active.....	75

APPLICATIONS:

Akrosorb 29582 is an efficient peroxide coagent for curing of most elastomeric systems. As little as 2 phr of active material will raise the modulus and hardness as well as improve compression set resistance (essentially increasing cross-link density). Alternately, less peroxide needs to be used to reach an equivalent state-of-cure of a formula using peroxide alone. Higher levels of 29582 will continue to raise hardness and modulus while at the same time plasticizing the rubber. High durometer compounds (70 Shore D) can be made that have excellent processability and better elastomeric properties (compression set resistance) than filler or plastic reinforced rubber. It is advisable to use a scorch-retarded coagent (such as SR 500 or 516) when using high levels of acrylate coagents. In contrast to other coagent types, the acrylic resin monomer is useful in all peroxide curable polymers.

ADVANTAGES:

Dry liquid dispersions (DLDs) are a proven means of upgrading plant safety, efficiency, quality and raw material control.

Akrochem dry liquid dispersions eliminate the messiness of weighing liquids, as well as other potential hazards in handling liquids in the plant. The “dry” physical form is easy to handle and weigh accurately. With a dispersion, better, uniform mixing, at lower processing temperatures is possible.

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