



**PERFORMANCE ADDITIVES**

## TECHNICAL DATA SHEET

### DSC-4S

DSC-4S is a 70% active dispersion of a proprietary tetrasulfide silane coupling agent on a synthetic calcium silicate carrier. It is especially designed for use as a coupling agent in mineral filled, sulfur cured elastomers. This dry, free-flowing powder form allows easier handling when mill or internal mixing is carried out using natural rubber, SBR, NBR, EPDM, or polychloroprene. The dry version of this silane permits the versatility of controlling the level of silane treatment on the filler with in-situ filler/silane reaction during mixing.

#### TYPICAL PROPERTIES

Physical Form	Tan Powder
Activity, %	70
Specific Gravity	1.32

DSC-4S should be evaluated against other polysulfide silane coupling agents and should provide enhanced shelf stability, improved modulus, and/or abrasion resistance in your specific compound.

It is very important, as with all silane coupling agents, that the DSC-4S be added in the mixing cycle at the time that the fillers are incorporated and before the other compounding ingredients. Normally, usage levels of 2.3 phf (parts per hundred filler) are suggested as an initial evaluation level and should provide significant improvements in compound and physical properties including modulus and abrasion resistance.

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HEXPOL Compounding-Performance Additives, 14330 Kinsman Rd., Burton, OH 44021 USA  
Tel: (440) 834-5573; Fax: (440) 299-6569; www.hexpolcompounding.com