

RHENOSLAB® VC-40/EPDM

Predispersed rubber chemicals and additives

Function

Peroxide crosslinking agent for use in any peroxide curable elastomers

Product description

Composition:	40%a,a'-bis(t-butylperoxy)diisopropylbenzene 60% Polymeric binder
Appearance:	Pink slabs
Specific Gravity:	Approx. 1.12
Physiological properties:	See Material Safety Data Sheet

Use

Mode of action:	Used as an alternative to sulfur cure in peroxide crosslinkable elastomers. Better heat resistance and compression set properties are generally obtained. Simpler cure systems can be designed with RHENOSLAB VC-40/EPDM than with many sulfur based cure systems. The use of RHENOSLAB VC-40/EPDM can result in greater batch-to-batch consistency in production runs. Care must be taken in the choice of antioxidants and plasticizers to avoid conflict with peroxide cures. The recommended cure temperature range for RHENOSLAB VC-40/EPDM cured compounds is 340F(171C) to 410F(210C).
Processing:	The binder and excellent homogeneity of the product allows quick absorption and excellent dispersion into the rubber. In this way, optimal activity of the peroxide is assured. RHENOSLAB VC-40/EPDM can be added late in the mix cycle and still yield a good dispersion of the peroxide.
Dosage:	Suggested starting levels of RHENOSLAB VC-40/EPDM, based on the dispersion, are: In NR, IR, SBR, BR, NBR and CR compounds: 0.75 to 3.75 phr In EPDM compounds: 2.25 to 4.50 phr
Application:	Heat resistant non sulfur curing agent for many elastomers. Also produces tighter cures with lower compression set properties.

Packing

44 lb. Cartons

Storage stability

1 year when stored in original cartons under cool and dry conditions.

Handling

Consult Material Safety Data Sheet (MSDS) for additional handling information on RHENOSLAB VC-40/EPDM.

® = registered trade mark

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