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ELASTOMERS
-NATURAL RUBBER-

PA-80 RUBBER

DESCRIPTION:

PA-80 Rubber is a pre-crosslinked natural rubber which acts a processing aid when blended with natural rubber, SBR, neoprene or nitrile rubber.

RECOMMENDED USES:

Extrusions: - Compounds containing PA-80 Rubber maintain extruded shape, extrude faster, smoother and with less die swell. Nerve of the compound is reduced significantly allowing closer extrusion tolerances.

Calendering: - Compounds containing PA-80 Rubber give smoother sheets with closer tolerances.

Open Steam Cures: - Compounds containing PA-80 Rubber have less tendency to deform during open steam cure because of the presence of the crosslinked polymer.

COMPOSITION:

PA-80 Rubber is produced from a mixture of 80% pre-cured latex and 20% uncured latex which is coagulated and processed by conventional plantation methods to give a pale crepe grade natural rubber in compressed crumb form. PA-80 Rubber contains the following acceleration system:

Natural Rubber.....	100.00
MBT.....	0.32
Accelerator EZ.....	0.16
Sulfur.....	1.60
Zinc Oxide.....	1.20

COMPOUNDING:

PA-80 Rubber is effective when used for 20% to 100% of the rubber hydrocarbon in the compound. Customary use is one part of PA-80 Rubber with three parts regular rubber hydrocarbon. Higher percentages of PA-80 Rubber are used where more of the special effects indicated above are required.

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MIXING:

PA-80 Rubber is a high viscosity material due to the crosslinking present. When used in blends with other rubbers, care must be taken to pre-masticate the PA-80 Rubber so that its viscosity is approximately the same as that of the other rubber. Very often it is necessary to reduce the viscosity of the PA-80 Rubber by pre-masticating with process oils or resins.

All mixing of PA-80 Rubber should be accomplished at the lowest possible temperatures and in as short a mixing cycle as possible to avoid additional crosslinking. Where that does occur, the viscosity of the PA-80 Rubber will increase with additional mixing rather than being reduced.

The addition of a retarder, such as our Retarder AK, is recommended for early incorporation to protect against such additional cross-linking.

Use of peptizing agents is not recommended. They tend to break the cross-linking present and reduce the beneficial properties of the PA-80 Rubber.

PACKAGE AND FORM:

PA-80 is a crumb form of rubber compressed into bales and packaged in a low density polyethylene bale wrapper.

STORAGE:

Due to the nature of PA-80 to increase in viscosity during bin storage, it is recommended that PA-80 be stored under cool / dry conditions if a "cold room" is not available.