

Urepan® 643 G

Speciality polymers

Application

Peroxide cross-linked polyurethane rubber used for the manufacturing of rubber goods with good resistance to tear, hydrolysis, swelling, and ozone, combined with excellent mechanical strength.

Product description

Composition:	Polyaddition product made from diphenylmethane diisocyanate und polyester; small quantities of a polymeric carbodiimide.
Appearance:	light-brown granules, may show agglomerates
Density, 20°C:	approx. 1.2 g/cm ³
Mooney viscosity ML 5+4, 100°C:	30-50
Physiological properties:	see safety data sheet

Processing

Urepan 643 G is processed using standard rubber industry methods. Molded articles can be manufactured by compression, transfer, and injection molding. Extrudates made from Urepan 643 G should be vulcanized in absence of vapor or atmospheric oxygen (e.g. by continuous salt bath vulcanization).

Packing

25 kg carton with low-melting EVA/PE bag inside which can be incorporated into the compound on 500 kg skid

Storage stability

Under cool and dry conditions in original sealed containers 730 days from date of production.

Handling

For additional handling information on Urepan 643 G please consult current safety data sheet.

Comment

The following additives are recommended for use with Urepan 643 G:

Cross-linking co-agents: Rhenofit TAC/S

Processing promoters: Aflux 25, Aflux 54

Antihydrolysis agent: Stabaxol P

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LANXESS Deutschland GmbH
Business Unit Rhein Chemie
Kennedyplatz 1
D-50569 Cologne, Germany
<http://rch.lanxess.com>