

Isopan 600

Isocyanate-crosslinkable polyurethane rubber for the manufacture of rubber goods in the upper hardness range with excellent resistance to abrasion, swelling and weathering, as well as good elasticity.

Material Definition

Composition: Polyaddition product made from toluylene diisocyanate and polyester

Appearance: Light-colored and partly transparent, yellowish blocks with air inclusions

Density (20 °C): Approx. 1.2 g/cm³

Mooney viscosity (ML 1+4, 100 °C): 20–32

Physiological properties: See safety data sheet

Application

Isopan 600 is used as an isocyanate-crosslinkable polyurethane rubber for molded goods in the upper hardness range, offering excellent abrasion, swelling and weathering resistance with good elasticity.

Processing

Isopan 600 compounds should be mixed on a well cooled open mill using stearic acid to avoid sticking.

Compounds containing IsoQure TT should be vulcanized within 24 hours after mixing.

Molded articles are mainly processed by compression molding.

Extrudates can be vulcanized in hot air under pressure.

Use Cases

Rubber goods requiring:

- Excellent abrasion resistance

- Top tear and tensile strength
- Excellent fuel and oil resistance
- Excellent ozone and weather resistance
- Low gas permeation
- Good low-temperature behavior

Recommended Additives

Crosslinking agents: IsoQure TT

Handling, Storage and Packaging

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

Packaging: 50 kg carton on 500 kg skid.

Handling: For additional handling information please consult the current safety data sheet.

Regulatory Information

EU REACH registered: No (polymer)

Availability

- Americas (United States, Canada, South America)
- APAC (Asia-Pacific)
- ANZ (Australia, New Zealand)
- EU (European Union)
- PRC (People's Republic of China)
- UK (United Kingdom)

Disclaimer / Conditions

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Stated storage and shelf life times are minimum guaranteed values for a period starting on the day of shipment. After this period has expired, the product requires additional quality control testing but may very well still be within specification. For more information, refer to our [Shelf Life Policy](#).

For updates on product information, please check this web page regularly:

<https://kautschuk.com/products/elastomer/isopan-600>