

TECNOTHANE® industrial: Durable elastomers for engineering solutions

Precision and reliability in every connection,
with our TECNOTHANE® elastomers. Versatile
answer for indoor and outdoor applications.

TECNOELASTOMERI
Engineering Urethane Elastomers

HUNTSMAN
Enriching lives through innovation

TECNOTHANE® industrial

In factories of the future, where automated and robotic equipment is helping to speed up production throughput, our TECNOTHANE® elastomers can be used in pneumatic, hydraulic and mechanical equipment for conveying, lifting, picking and sorting. In heavy-duty, outdoor industrial equipment, our elastomers are a reliable material for use in cranes, diggers, dumper trucks, access platforms and compaction equipment. They can also be used to create dampening elements to reduce noise and vibration.



Technical properties

| Material | MDE540E | MDE282G | MPT109G | MPC2413G | SWP4000N |
|------------------------|---|--|--|---|---|
| Hardness Range | 55ShA - 95ShA | 55ShA - 55ShD | 70ShA - 95ShA | 70ShA - 55ShD | 65ShA - 95ShA |
| Abrasion Resistance | ✓✓ | ✓✓ | ✓✓✓ | ✓✓✓ | ✓✓ |
| Tensile Strength | ✓✓ | ✓✓ | ✓ | ✓✓✓ | ✓✓ |
| Tear Resistance | ✓✓ | ✓✓ | ✓ | ✓✓ | ✓✓✓ |
| Rebound Resilience | | ✓✓ | ✓✓✓ | ✓✓✓ | ✓ |
| Temperature Resistance | ✓ | ✓ | | ✓✓ | ✓✓✓ |
| Chemical Resistance | | ✓ | ✓✓ | ✓ | ✓✓✓ |
| Hydrolysis Resistance | | | ✓✓✓ | ✓✓ | ✓✓✓ |
| Application | Dampening applications, Large protection elements | Spring elements, Protection pads, Cardboard industry | Concrete process elements, Pump elements | Spring elements, Concrete process elements, Metal processing, Cardboard industry, Agriculture | Screws elements, Waste recycling plants |

MDE540E – polyester solution for mass production of dampening and protection parts

Key benefits: high wear resistance, short cycle time, long pot life

MDE282G – All purpose polyester Elastomer

Key benefits: High mechanical properties

MPT109G – Superior PTMG based system

Key benefits: high flexibility, low temperature resistance, ideal for application in contact with water

MPC2413G – Special polyester for heavy-duty

Key benefits: high mechanical resistance, high flexibility, good oil and hydrolysis resistance

SWP4000N – Carbonate-based PU for high temperature solution

Key benefits: excellent water resistance, good acid-base resistance, high tensile and tear strength

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