

TECNOTHANE™ rollers: Materials to make heads turn

With a low compression set, and excellent grind-ability, our TECNOTHANE™ engineering elastomers are ideal for the production of industrial rollers employed in printing and lacquering applications, and in the steel industry.

TECNOELASTOMERI
Engineering Urethane Elastomers

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Enriching lives through innovation

TECNOTHANE™ rollers

With good tear and abrasion resistance, rollers made from our TECNOTHANE™ elastomers can withstand friction, scratches, bumps and dents, as they revolve and rotate. Rollers made from TECNOTHANE™ elastomers also have good solvent resistance - meaning they are easy to keep clean.



Technical properties

| TYPICAL PHYSICAL PROPERTIES | UNIT | TEST METHOD | MDE SERIES 7 | MPC | SWP | VTER-Z |
|------------------------------|------|-------------|--------------------|------------|----------------------|---------------|
| Hardness | ShA | DIN 53505 | 95 | 55 | 95 | 97 |
| Modulus 100% | Mpa | DIN 53504 | 13 | 2 | 10 | 15 |
| Modulus 300% | Mpa | DIN 53504 | 21 | 4 | 15 | 25 |
| Tensile Strength | Mpa | DIN 53504 | 55 | 25 | 53 | 50 |
| Elongation @break | % | DIN 53504 | 550 | 550 | 600 | 400 |
| Tear Resistance without nick | kN/m | ISO 34-1 | 110 | 25 | 115 | 130 |
| Tear Resistance with nick | kN/m | ISO 34-1 | 50 | 7 | 60 | 70 |
| Compression Set @70°C/23h | % | ISO 815 | 16 | 5 | 20 | 30 |
| Rebound Resilience | % | ISO 4662 | 40 | 35 | 50 | 40 |
| Abrasion Resistance | mg | ISO 4649 | 55 | 70 | 50 | 70 |
| Special Feature | | | solvent resistance | heavy duty | high temp resistance | high dynamics |
| Hardness Range | ShA | | 25 ÷ 97 | 25 ÷ 97 | 63 ÷ 97 | 78 ÷ 97 |

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About Huntsman:

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