

TECNOTHANE[®] seals: For closures you can be confident about

When it comes to making industrial seals for use in hydraulic, pneumatic and mechanical equipment, it's essential to be confident in the capabilities of any closure materials you are using.

TECNOELASTOMERI
Engineering Urethane Elastomers

HUNTSMAN
Enriching lives through innovation

TECNOTHANE® seals

We have a range of TECNOTHANE® engineering elastomers for the production of seals, which offer a low compression set alongside very good tear, hydrolysis and oil resistance. Typical applications include wipers, rod seals, piston seals, - rotary seals, wheels, pulleys, guides, protection and dampening elements, lifting equipment.



Technical properties

TYPICAL PHYSICAL PROPERTIES	UNIT	TEST METHOD	SWP	MPC	MPT
Hardness	Sh	DIN 53505	95A	95A	95A
Modulus 100%	MPa	DIN 53504	13	10	9
Modulus 300%	MPa	DIN 53504	20	15	15
Tensile strength	MPa	DIN 53504	47	53	38
Elongation at break	%	DIN 53504	450	600	480
Tear resistance, die B/a (90°, without nick)	kN/m	ISO 34-1	120	115	85
Tear resistance, die B/b (90°, with nick)	kN/m	ISO 34-1	65	60	40
Compression set at 70°C / 23h	%	ISO 815	30	20	20
Rebound resilience	%	ISO 4662	40	50	70
Abrasion resistance	mg	ISO 4649	70	50	45
Minimum service temperature	°C	Internal	-20	-30	-50
Available hardness range	Sh	DIN 53505	63A - 97A	55A - 60D	64A - 60D

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About Huntsman:

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