

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

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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	ShA	DIN 53505	95	95	95
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 @break	%	DIN 53504	450	600	480
Tear Resistance without nick	kN/m	ISO 34-1	120	115	85
Tear Resistance with nick	kN/m	ISO 34-1	65	60	40
Compression Set @70°C/23h	%	ISO 815	30	20	20
Rebound Resilience	%	ISO 4662	40	50	70
Abrasion Resistance	mg	ISO 4649	70	50	45
Service Temp	°C	INT.	-20 ÷ +120	-30 ÷ +110	-50 ÷ +100
Hardness Range	ShA		63 ÷ 97	55A ÷ 60D	65A ÷ 60D

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About Huntsman:

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