

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

HUNTSMAN
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
Hardness	Sh	DIN 53505	95A	55A	95A	97A
Modulus 100%	MPa	DIN53504	13	2	10	15
Modulus 300%	MPa	DIN53504	21	4	15	25
Tensile strength	MPa	DIN53504	55	25	53	50
Elongation at break	%	DIN53504	550	550	600	400
Tear resistance, die B/a (90°, without nick)	kN/m	ISO 34-1	110	25	115	130
Tear resistance, die B/a (90°, with nick)	kN/m	ISO 34-1	50	7	60	70
Compression set at 70°C / 23h	%	ISO 815	16	5	20	30
Rebound resilience	%	ISO 4662	40	35	50	40
Abrasion resistance	mg	ISO 4649	55	70	60	70

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About Huntsman:

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