

TECNOTHANE™ mining parts: A rugged solution for excavating equipment

The production of drilling and excavating equipment, employed in the mining industry to extract and move rocks, minerals, aggregates and other raw materials, relies upon the use of rugged, robust, rubber-like parts.



TECNOELASTOMERI
Engineering Urethane Elastomers

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Enriching lives through innovation

TECNOTHANE™ mining parts

Offering very good abrasion, tear and temperature resistance, our TECNOTHANE™ engineering elastomers can withstand the harsh, hazardous and hot conditions associated with working underground. Typical applications for our TECNOTHANE™ mining materials include heavy-duty wheels for transportation equipment; plus washers, gaskets, seals, grommets and other technical parts for sorting and separating tools such as sieving screens, hydrocyclones and protection plates.



Technical properties

TYPICAL PHYSICAL PROPERTIES	UNIT	TEST METHOD	MDE SERIES 2	MDE SERIES 3	MPC	MPT
Hardness	ShA	DIN 53505	75D	90	90	90
Modulus 100%	Mpa	DIN 53504	-	10	5	5
Modulus 300%	Mpa	DIN 53504	-	20	15	14
Tensile Strength	Mpa	DIN 53504	45	50	54	40
Elongation @break	%	DIN 53504	80	500	600	480
Tear Resistance without nick	kN/m	ISO 34-1	220	90	90	80
Tear Resistance with nick	kN/m	ISO 34-1	170	48	45	40
Compression Set @70°C/23h	%	ISO 815	-	25	20	18
Rebound Resilience	%	ISO 4662	-	44	50	70
Abrasion Resistance	mg	ISO 4649	>100	55	50	45
MIN Service Temp	°C	INT.	-30	-20	-30	-50
Hardness Range	ShA			55A ÷ 60D	55A ÷ 60D	65A ÷ 60D
					*	*

* Hydrolysis resistant

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About Huntsman:

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