

TECNOTHANE[®] offshore: Outstanding elastomers for equipment

In harsh offshore environments, a long way from land, the use of high quality, reliable equipment is essential.

TECNOELASTOMERI
Engineering Urethane Elastomers

HUNTSMAN
Enriching lives through innovation

TECNOTHANE® offshore

Our TECNOTHANE® engineering elastomers for offshore applications are used in situations where deformation and part failure is not an option. Offering very good abrasion resistance, low temperature flexibility and dampening performance, our TECNOTHANE® elastomers are used on rigs, boats, drilling platforms, and in wind power equipment.

Typical applications include ballast protection; diablo rollers and centralizers for transporting and laying subsea cables; and bend restrictors, stiffeners, and piggyback clamps to protect and reinforce cables in situ and at pipeline junctions.



Technical properties

TYPICAL PHYSICAL PROPERTIES	UNIT	TEST METHOD	MPT SERIES 2	MPC	MPT
Hardness	Sh	DIN 53505	80D	90A	90A
Hardness range	Sh	DIN 53505	-	55A - 60D	65A - 60D
Modulus 100%	MPa	DIN53504	-	5	5
Modulus 300%	MPa	DIN53504	-	15	14
Tensile strength	MPa	DIN53504	50	54	40
Elongation at break	%	DIN53504	10	600	480
Tear resistance, die B/a (90°, without nick)	kN/m	ISO 34-1	200	90	80
Tear resistance, die B/a (90°, with nick)	kN/m	ISO 34-1	200	45	40
Compression set at 70°C / 23h	%	ISO 815	-	20	18
Rebound resilience	%	ISO 4662	-	50	70
Abrasion resistance	mg	ISO 4649	>100	50	45
Minimum service temperature	°C	INTERNAL	-30	-30	-50
Available hardness range	Sh	DIN 53505	-	55A - 60D	65A - 60D

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About Huntsman:

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