



# POLYURETHANE

Synthetic material with elasticity like that of the rubber but with exceptional mechanical and resistance properties, which give the pieces a longer life. Polyurethane fills the space between technical plastics and rubber by combining hardness, elasticity and mechanical resistance.



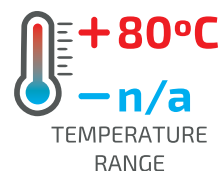
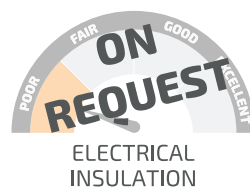
## MAIN CHARACTERISTICS

- It is applied in parts subjected to very hard work requirements, in which a special one is required:
  - Resistance to wear and abrasion
  - Elasticity
  - Load capacity
  - Mechanical resistance
  - Damping

## APPLICATIONS

- Wheels, rollers
- Gaskets
- Elastic couplings
- Suckers
- Elevator guides
- In general, any part subjected to wear by friction, bending or load

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PROPERTIES	RULES	UNITS	POLYURETHANE	
			PLATES	RODS/TUBES
COLOR		-	ORANGE	ORANGE
DENSITY	DIN 53479	g/cm <sup>3</sup>	1.25	1.1
<b>MECHANICAL PROPERTIES</b>				
HARDNESS	DIN 53 505	SHORE A	93 +/- 3	94 +/- 2
RUPTURE DEFORMATION	DIN 53 504	%	575	-
ELASTICITY	DIN 53 512	%	47	65
TENSILE STRENGTH	DIN 53 504	MPa	-	45
WEAR RESISTANCE	DIN 53 515	kN/m	115	75
LOSS OF ABRASION	DIN 53 516	mm <sup>3</sup>	30	40
COMPRESSION AT 70°C/24H	DIN 53517	%	22	20



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