

# Elastollan® 1164 D 10

Thermoplastic Polyurethane Elastomer (Polyether)

BASF Polyurethanes GmbH

Message:

Elastollan® 1164 D 10 is a thermoplastic polyurethane elastomer (polyether)(TPU-polyether) material. This product is available in Europe. Elastollan® The main characteristics of 1164 D 10 are: antibacterial.

General Information			
Features	Antibacterial		
	Hydrolysis resistance		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	64		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	250	MPa	ISO 527-2
Tensile Stress (Break)	50.0	MPa	ISO 527-2
Tensile Strain (Break)	350	%	ISO 527-2
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
100% strain	25.0	MPa	ISO 37
300% strain	45.0	MPa	ISO 37
Tear Strength	190	kN/m	ISO 34-1
Compression Set			ISO 815
23°C	40	%	ISO 815
70°C	50	%	ISO 815
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	7.0	kJ/m²	ISO 179
23°C	No Break		ISO 179
Additional Information			

Note: These properties were tested in accordance with the DIN test standard.Stress at 20% elongation, DIN 53504: 16 MpaAbrasion Loss, DIN 53516: 20 mm³Tensile Strength After Storage in Water, DIN 53504, 80°C for 42 days: 35 MpaElongation at Break After Storage in Water, DIN 53504, 80°C for 42 days: 400 %

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