

PU

MATERIAL DATASHEET

Description:

Technirub manufactures sheets, strips, gaskets, seals, and rings from high-performance polyurethane (PU). This material combines exceptional abrasion and tear resistance with excellent mechanical strength and elasticity.

HS-code sheets/strips of polymers: 39211390
HS-code other products of polymers: 39269097
Country of origin: China
Manufactured in accordance with: ISO 3302-1 tolerance class P3

Material			PU (Polyurethane)	
Property	70 Shore A	80 Shore A	90 Shore A	95 Shore A
Hardness				
Standard colour	Brown/Ochre Yellow	Brown/Ochre Yellow	Brown/Ochre Yellow	Brown/Ochre Yellow
Tensile strength (MPa)	39.2*	38.3*	36.8*	33.6*
Tear strength (KN/M)	62*	78*	98*	110*
Elongation (%)	640%*	620%*	610%*	580%*
100% for the tensile (MPa)	2.6*	5.2*	8.9*	10.6*
300% for the tensile (MPa)	6.2*	9.6*	15.8*	17.3*
Density (g/cm³)	1.20*	1.20*	1.20*	1.20*
Brittle temperature (°C)	-55°C - no cracking	-55°C - no cracking	-55°C - no cracking	-55°C - no cracking
DIN abrasion (mm³)	28*	32*	38*	42*
Elasticity (%)	28%*	26%*	24%*	22%*

N.A. = Non Adequate * Indicative average value