P03 - PU green

thermoplastic polyurethane

Mechanical, Physical and Thermal Properties

PROPERTIES	CONDITION	STANDARD	UNIT		UNIT	
Colour				green		green
hardness	23°C	ISO 868	Shore A	93 ± 2	Shore A	93 ± 2
hardness	23°C/3 sek.	ISO 868	Shore D	47 ± 3	Shore D	47 ± 3
hardness	23°C/15 sek.	ISO 868	Shore D	45 ± 3	Shore D	45 ± 3
modulus 100%		DIN 53 504	MPa	≥ 13	psi	≥ 1880
modulus 300 %	23°C	DIN 53 504	MPa	≥ 23	psi	≥ 3330
tensile strength	23°C	DIN 53 504	MPa	≥ 50	psi	≥ 7250
elongation at break	23°C	DIN 53 504	%	≥ 450	%	≥ 450
tear strength	23°C	DIN ISO 34-1	kN/m	≥ 100	lbf/inch	≥ 570
spec. gravity	23°C	ISO 1183	kg/m^3	1200	g/cm^3	1,2
abrasion		DIN 53 516	mm^3	35	mm^3	35
compression set	*	ISO 815	%	≤ 25	%	≤ 25
compression set	**	ISO 815	%	≤ 33	%	≤ 33
minimum service temperature			°C	-30	°F	-22
maximum service temperature			°C	110	°F	230

* 24h 70°C 25% def. ** 24h 100°C 25% def. *** 24h 150°C 25% def.

Chemical Properties
Copolymer, based on aromatic isocyanate and diols
Resistant to oil
Not resistant to conc. acids, conc. lyes, conc. alcohols and aromatic solvents

Bex s.r.l.
Via Liguria, 9/11 - 25031 Capriolo (BS)
Tel. +39 030 5951148 - info@bexsrl.com