



DATA SHEET PU90

General properties

Standard	ASTM
Indicative working temperature	-30°C/+80°C
Color	BLACK
Chemical resistance	<input checked="" type="checkbox"/> Oil Free <input checked="" type="checkbox"/> Phthalate Free <input checked="" type="checkbox"/> Reach&RoHs2.0

Properties

	Method	Unit	Required value	value
Hardness	ASTM D 1415	IRHD		93
Tensile strength	ASTM D 412/C	N/mm2(Mpa)		21.87
Elongation at break	ASTM D 412/C	%		187
Tear strength	ASTM D 624/B	N/mm		75.96
Specific gravity	ASTM D 1817	g/cm3		1.317
Low temperature test-TR10	ASTM D 1329	°C		
Low temperature test-Brittleness	ASTM D 746	°C		
Compression Set after deformation of 25%, 22 hours at 100°C	ASTM D 395/B	%		39.3
Modulus at 100%		Mpa		16.18

Ageing

Fluid	Time(h)	Temperature °C	Tensile %	Elongation %	Hardness Pts	Volume %	Weight %
Air	70	100	+3	-13	+1	-3.2	
ASTM1	70	100	+2	-19	0	-3.9	
ASTM3	70	100	0	-25	-1	-1.2	
Water	70	100	-57	-54	-5	+6.5	

Approval

SPEC:
Date : 17/06/2016
Edit date: 21/10/2021
Index:
Author:

SVHC = Substance of Very High Concern according to regulation REACH 1907/2006

These data are for information only.

They can be modified at any moment without notice.

Values indicated above are based on tests conducted on laboratory samples.

Values on finished parts can be different depending on shape, curing parameters etc