



Overview

PU90TY00 is Canyon's polyether gum, 90 shore A durometer, translucent yellow, CanThane Polyurethane. PU90TY00 offers good wear and tear resistance. Compare to Parker®.

Features & Benefits

- Extreme resistance to wear and abrasion.
- Good flexibility and compression set resistance.
- Resistant to water, oxygen, ozone, and weathering.

Service Temperature

- -35°C to 85°C (-31°F to 185°F)

Specification

- Polyether Gum Polyurethane
- ASTM D2000 M6BG910 A14 B14 E014 E034

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Transl-Yellow	Transl-Yellow
Hardness, Shore A	90+/-5	92
Tensile Strength, psi (MPa)	1450 min	2320 (16)
Elongation	100%	120%

Abrasion
Resistant

General
Purpose



Table 2. A14 – Heat Aging – 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	+15 max	-1
Tensile Strength, %	-20 max	-1
Elongation, %	-40 max	-10

Table 3. B14 – Compression Set – 22 hrs at 100°C

Test (Change)	Requirements	Results
Permanent Set, %	25 max	18

Table 4. E014 – Oil #1 Resistance – 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +15	-4
Tensile Strength, %	-25 max	-12
Elongation, %	-45 max	-32
Volume, %	-10 to +5	+2

Table 5. E034 – Oil #3 Resistance – 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	0 to +15	-4
Tensile Strength, %	-45 max	-34
Elongation, %	-45 max	-40
Volume, %	0 to +35	+22

PU90TY00 is now available on the Canyon Components [online store](#).

Looking for specific chemical compatibilities or desire more material information? [Please Contact Us!](#)