



Overview

EP95BK20 is Canyon's extreme high temp steam, extremely hard, 95 shore A durometer, black EPDM. EP95BK20 is resistant to polar fluids but is not recommended for hydrocarbon fuels & oils. Compare to Parker E0962-90.

Features & Benefits

- L'Garde Y267 for Extreme High Temp Steam Performance
- 95 Shore A for extreme resistance to high pressures & extrusion
- High resistance to weathering
- Good abrasion resistance
- Cost Effective

Service Temperature

- -55°C to 290°C (-67°F to 554°F) in water and Steam
- Steam excursions up to 315°C (600°F)

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	95+/-5	96
Tensile Strength, psi (MPa)		2436 (16.8)
Modulus @ 100%		2100 (14.5)
Elongation		120%
Specific Gravity, g/cm ³		1.12



Table 2. Steam Aging – 24 hrs at 300°C

Test (Change)	Results
Hardness, Shore A	-3
Tensile Strength, %	-59
Elongation, %	-62
Volume, %	+1.6
Weight, %	-0.1

Table 3. Steam Aging – 168 hrs at 300°C

Test (Change)	Results
Hardness, Shore A	-12
Volume, %	+6.5
Weight, %	+5

Table 4. Compression Set

Test (Change)	Specifications	Results
Permanent Set, %	24 hrs @ 135°C	24
Permanent Set, %	70 hrs @ 135°C	37

Table 5. Compression Set – Steam

Test (Change)	Specifications	Results
Permanent Set, %	168 hrs @ 250°C	37
Permanent Set, %	336 hrs @ 250°C	38
Permanent Set, %	168 hrs @ 275°C	65
Permanent Set, %	336 hrs @ 275°C	67

Table 6. Distilled Water Aging – 24 hrs at 300°C

Test (Change)	Results
Hardness, Shore A	-3
Volume, %	+6
Weight, %	+6