

Overview

PT55WH00 is Canyon's standard 55 shore D durometer, white Virgin PTFE.

PT55WH00 is 100% PTFE and offers extreme chemical resistance, high & low temperature performance, and good dynamic resilience.

Features & Benefits

- Excellent heat resistance & high temp stability
- Best chemical resistance
- FDA compliant per 21 CFR 177.1550
- USP Class VI
- Low gas permeability
- Self lubricating

Recommended Applications

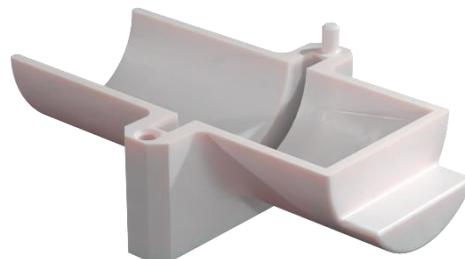
- Backup rings
- Spring energized seals
- Semiconductor
- Chemical Processing
- Solvents, MEK, DMF, Acetone

Service Temperature

- -268°C to 260°C (-450°F to 500°F)
- Excursions up to 288°C (550°F)

Specification

- 100% Virgin PTFE



Test Data

Table 1. Physical Properties

Color	White
Hardness, Shore D [D2240]	55
Tensile Strength, psi (MPa) [D1708]	4000 (27.5)
Elongation [D1708]	325%
Specific Gravity, g/cm ³ [D792]	2.15
Water Absorption - 24hrs, % [D570]	0
Linear Coefficient of Thermal Expansion, 1/°C (1/°F) [E831]	8.1 x 10 ⁻⁵ (4.5 x 10 ⁻⁵)

Table 2. Coefficient of Friction

33.3 psi, Static	0.05
33.3 psi, Dynamic 150 fpm	0.07

Table 3. Deformation

73°F, 1500 psi, 24hr, % [D621-59]	6.2
100°F, 1500 psi, 24hr, % [D621-59]	14.4
200°F, 1500 psi, 24hr, % [D621-59]	22.7

Table 4. Electrical Properties

1000 cps Dielectric Constant [D150-59T]	2
Dielectric Strength in Air, V/mil. [D257-61]	1000