



## Overview

PU85BK15 is Canyon's premium 85 shore A durometer, black polyester polyurethane engineered for demanding high-pressure applications. MDI cured for enhanced durability, it exhibits high tensile strength and exceptional wear resistance.

PU85BK15 has balanced flexibility and firmness which make it ideal for components like seals and rollers, while the innovative CanThane formulation further ensures superior chemical resistance, extended service life, and outstanding performance. It delivers reliable, long-term efficiency.

## Features & Benefits

- Extreme wear & abrasion resistance ensures improved durability.
- Exceptional flexibility & compression set resistance maintain integrity during dynamic use.
- Outstanding high-pressure performance guarantees reliable operation in challenging environments.

## Type

- MDI Cured Polyester Polyurethane



## Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Black	Black
Hardness, Shore A	85+/-5	85
Tensile Strength, psi (MPa)	8850 min	9430 (65)
Elongation	700%	730%
Specific Gravity, g/cm <sup>3</sup>		1.27
Tear Resistance, KN/m	56	60
Rebound Resistance, %	38	40
Abrasion Loss, mm <sup>2</sup>	59	59

Table 2. Compression Set - 22 hrs at 150°C

Test (Change)	Results
Permanent Set, %	29

PU85BK15 is now available on the Canyon Components [online store](#).

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

For more information on Polyurethane, please visit [our in-depth blog](#).

