

## Technical Data Sheet

### Polyurethane (WCMPU)

**CHEMICAL DESCRIPTION:** Millable polyurethane (Pu), which may contain an ester group (AU) or an ether group (EU)

#### PROPERTIES

**ASTM classification:** AU (ester urethanes)  
EU (ether urethanes)

**Typical applications:** Seals for high hydraulic pressure and highly stressed parts subject to wear

**Advantages:** Excellent tensile strength and anti-abrasion properties  
Excellent ozone resistance  
Good resistance to oils

**Disadvantages:** Poor resistance to some non-polar solvents  
Poor steam resistance

**Available hardness range (Sh. A):** 25 - 85

**Upper continuous service temp. (°C):** 150

**Min. temp. for sealing applications. (°C):** -50

**Minimum non-brittle temp. (°C):** -80

**Tensile strength (up to):** 30 MPa

**Elongation at break (up to):** 600%

**N.B. With all compounds, differing hardness's can affect final properties of the mix.**

COMPOUND



Certificate Number: 14352  
ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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