PU - Polyurethane

Clwyd reference	**PU**
ASTM classification	**PU**
Typical applications	• High hydraulic/high-tress/wear applications • Coatings • Adhesives • Print rollers • Bumpers • Couplers
Advantages	• Excellent physical strength • Excellent tear and abrasion attributes
Disadvantages	• Poor high temperature resistance • Not suitable for hot water/steam applications or ketones, concentrated acids, hydrocarbons or esters
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Available hardness range (Shore A)	25 - 85
Upper continuous service temp.	150°C
Min. temp. for sealing applications	-50°C
Minimum non-brittle temp.	-80°C
Tensile strength (up to)	30 MPa
Elongation at break (up to)	600%
Price Bracket	Low
ASTM 1 Oil	Excellent
ASTM 2 Oil	Good
ASTM 3 Oil	Good
Kerosene	Excellent
Liquid B	Average
Liquid 101	Good
Phosphate ester	None
Ketone	None
Toluene	None
Iso-octane	Good
Methanol	None
Acid (weak)	None

Acid (strong)	None
Base (weak)	None
Base (strong)	None
Hydrogen sulphide	None
Steam	None
Ozone	Excellent
Radiation	Average