POLYMAX®
Leaders in rubber technology

Unit 75, Whitehill & Bordon Enterprise Park
Budds Lane, Bordon, Hampshire GU35 0FJ
Email: sales@polymax.co.uk Tel: +44 (0)1420 474 123

High Quality General Purpose Compressed Fibre 750mm Length X 500mm Width X 2mm Thick

Product SKU:	CP350L750W500T2
Material:	Aramid/NBR Compressed Fibre
Colour:	Blue
Length:	750mm
Width:	500mm
Thickness:	2mm
Weight:	1.275kg
Max Temperature:	350°C

Polymax CP350 is a high-performance gasket material made from a blend of aramid fibres and NBR binder, offering exceptional durability and temperature resistance up to 350°C. Compliant with various industry standards, it is ideal for sealing in applications such as gas supply systems, potable water, and steam systems.

Key Features:
High Performance: Excels in critical sealing applications with outstanding physical properties.

Versatile Thickness Options: Available in multiple thicknesses to meet diverse application requirements.

Exceptional Durability: Features excellent tensile strength of 12 MPa and a compressibility of 11%, ensuring a tight seal under pressure.

Temperature Resistance: Withstands peak temperatures up to 350°C (662°F) and continuous temperatures of 250°C (482°F), making it ideal for high-heat environments.

Pressure Capability: Rated for maximum pressures of up to 100 bar (1450 psi), suitable for various industrial applications.

Reliable Performance: Good dimensional stability and creep relaxation properties ensure effective sealing over time.

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Applications:
Gas Supply Systems: Perfect for sealing in gas pipelines, ensuring safe and reliable operation.

Potable Water Applications: Complies with health standards suitable for use in drinking water systems.

Steam Systems: Effective in high-temperature steam applications up to 200°C (392°F).

General-Purpose Sealing: Versatile enough for various sealing tasks across multiple industries, from automotive to manufacturing.

Technical Data:

Density	DIN 28090-2	g/cm³	1.7
Compressibility	ASTM F36J	%	11
Recovery	ASTM F36J	%	60
Tensile strength	ASTM F152	MPa	12
Residual stress	DIN 52913		
50 MPa, 175°C, 16 h		MPa	27
50 MPa, 300°C, 16 h		MPa	23
Specific leak rate	DIN 3535-6	mg/(s·m)	0.02
Thickness increase	ASTM F146		
Oil IRM 903, 150°C, 5 h		%	2
ASTM Fuel B, 23°C, 5 h		%	5
Compression modulus	DIN 28090-2		
Creep relaxation at room temperature		%	9.5
Creep relaxation at an elevated temperature of 200°C		%	16.1
Creep relaxation	DIN 28090-2		
Creep relaxation at room temperature		%	4.7
Creep relaxation at an elevated temperature of 200°C		%	0.8

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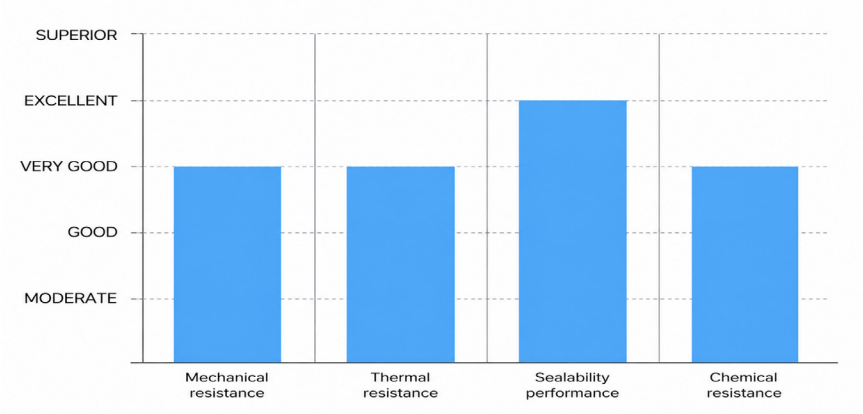
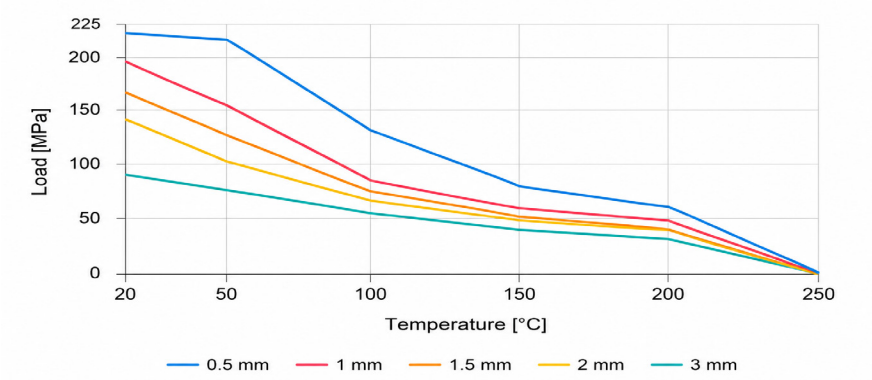
Technical Data:

Maximum operating conditions			
Peak temperature		°C/°F	350/662
Continuous temperature		°C/°F	250/482
Continuous temperature with steam		°C/°F	200/392
Pressure		bar/psi	100/1450

Properties:



Maximum Gasket Stress Diagram:



Maximum Gasket Stress Diagram for different gasket material thicknesses.
These values indicate the maximum in-service compressive pressures which can be applied on the gasket area involved without destructing or damaging the gasket material.

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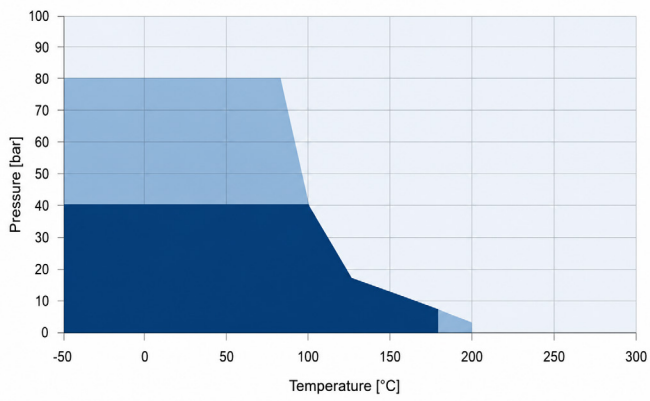
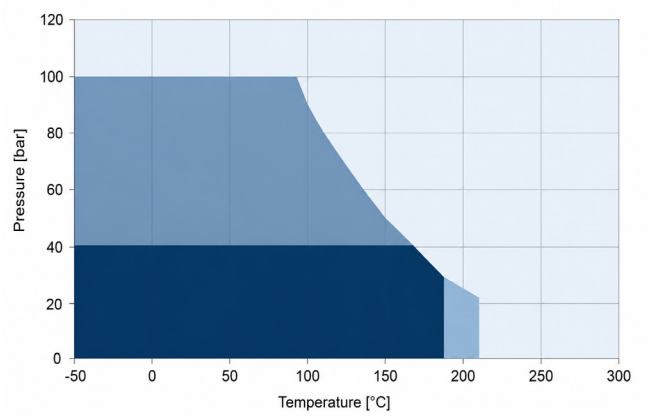
P-T DIAGRAMS EN 1514-1, Type IBC, PN 40, DIN 28091-2 / 3.8, 2 mm

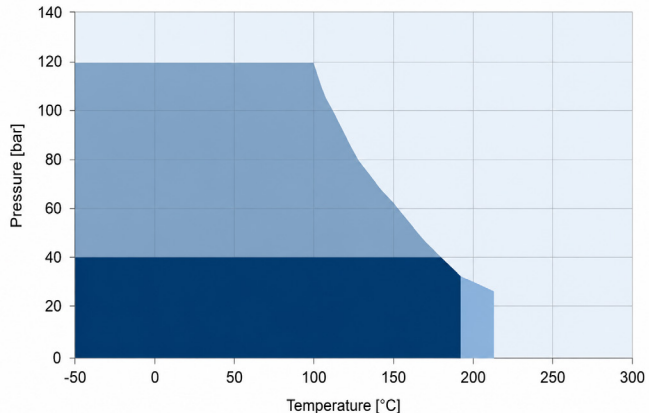
Agreesive Gasses:



Steam or gasses:



Liquids:



Legend:
● General suitability - Under common installation practices and chemical compatibility.
● Conditional suitability - Appropriate measures ensure maximum performance for joint design and gasket installation. Technical consultation is recommended.
● Limited suitability - Technical consultation is mandatory.

P-T diagrams indicate the maximum permissible combination of internal pressure and service temperature which can be simultaneously applied to a given gaskets thickness, size and tightness class. Given the wide variety of gasket applications and service conditions, these values should only be regarded as a guidance for the proper gasket assembly. In general, thinner gaskets exhibit better P-T properties.