

## Polymax ABACUS – Cork Rubber Sheetting

### Material Specification

#### General Information and Application

This is a high compressible material suitable for low and medium bolt pressure, with good flexibility resilience. The Abacus is a qualified material suitable for automotive and industrial gaskets, as it is oil and fuel resistant. It is also suitable for vibration control in plant rooms etc.

The Abacus has a higher compressibility however lower tensile strength compared to the Polymax Vibtec.

#### Material Description

<b>Binder</b> <i>("A substance used to make other substances or materials stick or mix together.")</i>	Neoprene
<b>Cork Granule Size (mm)</b>	1/2
<b>Colour</b>	Black

#### Physical Characteristics

<b>Density</b> <i>("The Degree of compactness of a substance.")</i>	560Kg/m <sup>3</sup> to 760Kg/3m
<b>Shore A</b> <i>("Hardness of material.")</i>	50-70
<b>Compressibility at 400 PSI (%)</b>	30%-50%
<b>Recovery After (%)</b>	>80
<b>Tensile Strength (Kg/Cm<sup>2</sup>)</b> <i>("The resistance of a material to breaking under tension.")</i>	
Transversal Direction <i>("Width of the product.")</i>	>8
Longitudinal Direction <i>("Length of the product.")</i>	>12
<b>Flexibility</b>	
Original (F5)	No Cracks
<b>Volume Change after Immersion</b> <i>("The amount of space the material will take up after being covered in the different substances.")</i>	
ASTEM No1 Oil, 70hrs @100. C (%)	-5 to +10
ASTEM No 3 Oil, 70hrs @100. C (%)	+10 to +40
AATEM Fuel A, 22hrs @23. C (%)	-2 to +10

Specifications and testing methods according: ASTM 104-93 F229000