

# ACOFLON<sup>®</sup> 105 - DATASHEET

**BASE MATERIAL:** PTFE (Polytetrafluoroethylene)

**FILLERS:** 25% Glass fibers (E-Glass)

**COLOR:** White/Light grey

**SPECIAL CHARACTERISTIC:**

- Good wear characteristics
- Good resistance to creep
- Good dimensional stability

**TYPICAL APPLICATIONS:**

- Engineering components
- Bearings & Sliding components
- Seals & Gaskets

**REGULATORY SUPPORT LIST**

EU 10/2011 - YES

FDA - YES

USP -

3A -

W.R.A.S -

*We recommend contacting Acoplastic for the latest regulatory support list.*

PROPERTIES	METHODE	NOTE	UNIT	TYPICAL VALUE
Specific gravity	ISO 12086		g/cm <sup>3</sup>	2.23
Tensile strength	ASTM D638		MPa	8 – 19
Elongation at break	ASTM D638		%	110 – 280
Deformation under load	ASTM D621	15 MPa at 24 hrs.	%	6.1 – 8.1
Permanent deformation	ASTM D621		%	3.3 – 4.5
Compressive stress 1% deformation	ASTM D695		MPa	7.5 – 9.3
Compressive stress 25% deformation	ASTM D695		MPa	25 – 33
Coef. of Thermal Exp.	ASTM D696	0 – 200 °C	mm/mm·10 <sup>-5</sup> °C	8.5 – 10.5
Wear coefficient	MF	PV = 100 (kg·m)/(cm <sup>2</sup> ·min)	(cm <sup>3</sup> ·min)/(kg·m·h)·10 <sup>-8</sup>	10 – 25
Coefficient of friction	ASTM D1894	Ra: 0.25 - 0.35 µm.		0.09 – 0.15
Hardness			Shore D	57 – 61

*The values stated above are typical values and should only be used as guidance. Users shall determine the suitability of the products for the intended application. Acoflon<sup>®</sup> is a registered trademark of Acoplastic A/S, Helsingør, Denmark*