

# ACOFLON® 212 - DATASHEET

**BASE MATERIAL:** PTFE (Polytetrafluoroethylene)

**FILLERS:** 10% Soft Carbon

**COLOR:** Black

**SPECIAL CHARACTERISTIC:**

- High chemical resistance
- Good wear characteristics
- Low friction
- Good resistance to creep
- Good dimensional stability
- Antistatic

**TYPICAL APPLICATIONS:**

- Engineering components
- Bearings & sliding components
- Seals & Gaskets
- Valve seats

**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>	2.11 – 2.15
Tensile strength	ASTM D638		MPa	18 – 24
Elongation at break	ASTM D638		%	200 – 340
Deformation under load	ASTM D621	15 MPa at 24 hrs.	%	8.7 – 10.7
Permanent deformation	ASTM D621		%	4.8 – 6.6
Compressive stress 1% deformation	ASTM D695		MPa	6.2 – 7,8
Compressive stress 25% deformation	ASTM D695		MPa	27 – 35
Coef. of Thermal Exp.	ASTM D696	0 – 200 °C	mm/mm·10 <sup>-5</sup> °C	10.4 – 12.4
Wear coefficient	MF	PV = 100 (kg·m)/(cm <sup>2</sup> ·min)	(cm <sup>3</sup> ·min)/(kg·m·h)·10 <sup>-8</sup>	1200 – 2000
Coefficient of friction	ASTM D1894	Ra: 0.25 - 0.35 µm.		0.06 – 0.12
Hardness			Shore D	58 – 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® is a registered trademark of Acoplastic A/S, Helsingør, Denmark*