

TECHNICAL DATA SHEET - CST 0690/05.01 - 01/06/2017

PLANIFLON PT2105

Planiflon PT 2105 it's a fine PTFE for stem and seat sealing of industrial valves. The material shows high chemical resistance (except for alkali and hydrofluoric acid) and is suitable for a wide range of pressure applications.

PROPERTY	TEST METHOD	UNITS	VALUE
Specific gravity	ASTM D4894-98a	g/cm ³	2.15
Elongation at break	ASTM D4894-98a	%	≥ 350
Tensile strenght	ASTM D4894-98a	N/mm ²	≥ 28
Tensile modulus	ASTM D638	N/mm ²	≥ 600
Shrinkage	ASTM D4894-98a	%	3
Deformation under load 24h 15.0 N/mm ² 23°C	ASTM D621	%	15
Deformation under load 100h 15.0 N/mm ² 23°C	ASTM D621	%	17
Deformation under load Permanent 15.0 N/mm ² 23°C	ASTM D621	%	11
Flammability	UL94		V-0
Melt point (initial)	ASTM D4894-98a	°C	342 ± 10
Melt point (second)	ASTM D4894-98a	°C	327 ± 10
Dielectric Strenght	ASTM D149-95a	kV/mil	2.5
Service Temperature Range (general service)		°C	-200 ÷ 260
BAM Approved for Oxygen Service Liquid Oxygen Gaseous Oxygen		-- [°C ;Bar]	Suitable [60; 30] [200 ; 20]