

TECHNICAL DATA SHEET

PTFE SKIVED

Product Properties:

- Good mechanical properties
- Exceptional temperature resistance
- High limiting oxygen index
- UV resistance
- Extremely non-adhesive
- Reduced friction & wear; Low friction behaviour
- Suitable for food contact
- High degree of hydrophobicity
- Excellent chemical resistance
- Excellent electrical insulating properties

	Property	Method	Units	Specification
Physical	Color	-	-	White
	Specific gravity	ASTM D792	g/cm ³	2,130 – 2,190
	Water absorption	ASTM D570	%	0,01
	Flamability	UL 94		V-0
Mechanical	Tensile strength	ASTM D4894	MPa	≥ 20
	Elongation	ASTM D4894	%	≥ 200
	Hardness	ASTM D2240	Shore D	≥ 54
	Ball Hardness	ASTM D785	MPa	≥ 23
	Compression strength at 1% deformation	ASTM D695	MPa	≥ 4
	Deformation under load (140 Kg/cm ² for 24 hrs. At 23°C)	ASTM D621	%	10 – 13
	Permanent deformation (after 24 hrs. Relaxation at 23°C)	ASTM D621	%	6 – 7,5
	Coefficient of static friction	ASTM D1894		0,08 – 0,10
	Coefficient of dynamic friction	ASTM D1894		0,06 – 0,08
Wear coefficient PV 100 (speed 30 m/min)	$\frac{\text{kg m}}{\text{cm}^2 \text{ min}}$	$\frac{\text{cm}^3 \text{ min}}{\text{Kg m h}} 10^{-8}$		20000 - 25000
Thermal	Thermal conductivity	ASTM C177	W/m·K	0,34
	Coefficient of linear thermal expansion From 25 to 100 °C	ASTM D696	10 ⁻⁵ / °C	12 - 15
Electrical	Dielectric strength	ASTM D149	kV/mm	≥ 30
	Dielectric Costant	DIN 53483	-	2,1
	Volume resistivity	ASTM D257	Ohm·cm	10 ¹⁸
	Surface resistivity	ASTM D257	Ohm	10 ¹⁷

All information given here is based on currently available facts and on the results of experiments performed with all due care in our laboratories. It does not in any way reduce the responsibility of the user for carrying out further tests in order to ensure successful processing and use in specific applications.