



## Technical Specifications

### 100% PTFE ( TEFLON )

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TYPICAL VALUES
Specific gravity	ASTM D792	-	2,14 - 2,20
Tensile strength	ASTM D1457	N/mm2	20 - 35
Elongation at break	ASTM D1457	%	210 - 400
Compressive strength 1% deformation	ASTM D695	N/mm2	4,00 - 4,50
Impact strength (Izod) 57°C	ASTM D256	J/cm	1,10
Impact strength (Izod) 23°C	ASTM D256	J/cm	1,60
Impact strength (Izod) 77°C	ASTM D256	J/cm	3,30
Hardness	ASTM D2240	(shoreD)	50 - 60
Friction coefficient - static	ASTM D3028 (2)	-	0,09
Friction coefficient - dynamic	ASTM D3028 (2)	-	0,05
Coefficient of thermal expansion from 25 to 100°C	ASTM E831	°C <sup>-1</sup>	16 x 1 <sup>-5</sup>
Thermal conductivity	ASTM D2214	W/mK	0,20
Water absorption	ASTM D570	%	<0,01
Operating Temperature		°C	-180 to +260
Melting Point		°C	360
Colour	WHITE		
US FDA Part 21 CFR Part 177.1550	INTERTEK	Clause (e 3i)	YES

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