



VIRGIN PTFE

MATERIAL SPECIFICATION SHEET

PROPERTY	VALUE	UNIT
Hardness	90-86	Shore A
	86	IRHD (+/- 2°)
Tensile Strength	13.8	MN/m ²
	2000	lbs/sq.in
Elongation at Break	190	%
Permanent Set (After 25% Compression 24hrs. 100°C)	35	% (of Compression)
Flexibility at low temperatures		
• Brittle Temperature	-39	°C
• 2x Stiffness Temperature	-2	°C
• 10x Stiffness Temperature	-14	°C
Resistance to High Temperatures (Comparative times of Heating to cause surface cracks on bending around 25mm mandrel using 2.5mm thick specimen)		
In air at 150°C	24	Hours
In Lubrication Oil DED 2472 at 150°C	80	Hours
Resistance to Test Oils (Classified by % volume change after 7 days immersion at temperature stated)		
Test Oil ASTM No. 1 at 100°C	5 to 10	%
Test Oil ASTM No. 3 at 100°C	10 to 20	%



ISO 9001:2015 Q93057 ISO 14001:2015 EMS 505718

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