



Sealmac Seals International Limited

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VIRGIN WHITE PTFE MATERIAL SPECIFICATION SHEET (WT)

(FDA Approval No: 175 300)

PHYSICAL PROPERTIES (TYPICAL)

Ingredients: 100% virgin P.T.F.E
Filler/ pigment None
Colour: White (Natural)

MECHANICAL PROPERTIES	VALUE	UNITS	STANDARD
Tensile Strength (Moulding Direction)	20-35	Mpa	BS2782:Pt3
Elongation at break (Moulding Direction)	150-350	%	BS2782: Pt3
Density	2.13-2.19	G/cc	BS2782: Pt6
Hardness	57-64	Shore D	ASTM D2240
Haze	80-85	%	ASTM D1003
Deformation under load @ 1HR, 23°C, 14.2Mpa	11.8	%	ASTM D621
@ 24HRS, 23°C, 14.2Mpa	14.3	%	
@ permanent Deformation	7.9	%	
@ 1HR, 150°C, 5Mpa	10.0	%	
Compressive Modulus @ 0.2% Offset, 23°C	600-700	Mpa	ASTM D621
Flexural yield strength @ 0.2% Offset, 23°C	-	Mpa	ASTM D790
Flexural Modulus @ 23°C	690	Mpa	ASTM D790
Compressive Strength @ 0.2% Offset, 23°C			ASTM D695
@ 0.2% Offset, 150°C			
ELECTRICAL STRENGTH	VALUE	UNITS	STANDARD
Dielectric strength @ Air (Tape)	60-80	KV/mm	ASTM D149
@ Oil	35-24	KV/mm	
(Extrusion/Moulding)			
Proof Test (Dielectric Strength)		KV/mm	BS6564 (E)

Registered in England 07549806
Director: Rachael McCairn
Company Secretary: Simone Venner