Tel: 01380 734510
Fax: 01380 734511
Email: Sales@tym.co.uk

VITON (FKM) TUBE DATA SHEET

Parameter		Method	Value
M1	**(dNm)**	ISO6502-1999	1.9
Mh	**(dNm)**	Rheometer MDR 2000	26.1
Ts2	**(min)**	6 @175°C	1.1
T90	**(min)**		2.5
Cure 2mm slabs **6mm test pieces**		Compression moulding	5 min@200°C 9 min@ 200°C
Postcure		Oven	16h@230°C
Hardness	**(°ShA)**	ISO7619-2004 (@3 s)	75
Tensile Strength	**(MPa)**	ISO37-1994, type-2	9.8
Elongation @ Break	**%**	ISO37-1994, type-2	283
Modulus 100%	**(MPa)**	ISO37-1994, type-2	4.4
Modulus 300%	**(MPa)**	ISO37-1994, type-2	10.2
Compression Set	**%**	ISO815-1991;22h@175°C 22h@200°C	6.7 9.8
Density	**($kg.m^{-3}$)**	ISO2781-1988	2320
Low Temperature TR-10 c			-17C

Heat Ageing 70h@250°C/Air(ISO188-1998)

Hardness	**(°ShA)**	ISO7619-2004(@3 s)	79 (+4)
Tensile Strength	**(MPa)**	ISO37-1994,type 2	11.5 (+17.3%)
Elongation@ Break	**%**	ISO37-1994,type 2	191 (-32.5%)
ΔMass	**%**		-2.0

Liquid Resistance; 70h@150°C/IRM903 (ASTM-oil 3) (ISO1817-1999)

Hardness	**(°ShA)**	ISO7619-2004(@3 s)	73 (-2)
Tensile Strength	**(MPa)**	ISO37-1994,type 2	9.7 (-1.0%)
Elongation@ Break	**%**	ISO37-1994,type 2	283 (0.0%)
ΔMass	**%**		+0.9
ΔVolume	**%**		+1.7

Liquid Resistance; 70h@23°C/Liquid-C (Fuel-C) (ISO1817-1999)

Hardness	**(°ShA)**	ISO7619-2004(@3 s)	72 (-3)
Tensile Strength	**(MPa)**	ISO37-1994,type 2	8.0 (-18.4%)
Elongation@ Break	**%**	ISO37-1994,type 2	243 (-14.1%)
ΔMass	**%**		+1.1
ΔVolume	**%**		+2.8

Ozone resistance **70hr@40°C (50 ppm)** **pass**

Fluorcarbonrubber copolymer (FKM cure system bisphenol),black low compression set FKM o-ring grade. Resistant against fuels, oils, lubricants ,high temperatures and most mineral acids, aliphatic and aromatic hydrocarbons. Not intended for use in steam

THE FOLLOWING RESULTS RELATE ONLY TO THE SAMPLES TESTED AND THEREFORE THE INFORMATION GIVEN HERE SHOULD BE USED AS A GUIDE ONLY