

Polyurethane Data Sheet

PROPERTIES	TEST METHOD	UNIT	VALUE				
HARDNESS	DIN 2240-91	SHORE A	55	60	65	70	75
100% Modulus	BS 903 Pt A2 - ISO 37	lb/in ² (Mpa)	200 (1.4)	230 (1.6)	260 (1.8)	360 (2.5)	530 (3.7)
300% Modulus	BS 903 Pt A2 - ISO 37	lb/in ² (Mpa)	330 (2.3)	440 (3.0)	440 (3.0)	980 (6.8)	1140 (7.9)
Tensile Strength	BS 903 Pt A2 - ISO 37	lb/in ² (Mpa)	1800 (12.4)	2990 (20.6)	3660 (25.3)	5730 (39.5)	6500 (44.9)
Elongation @ Break	BS 903 Pt A2 - ISO 37	% lb/in	800 195	790 185	680 215	640 350	630 385
Tear Strength	BS 903 Pt A3 - ISO 34-1	(KN/m)	(34.1)	(32.4)	(37.6)	(61.3)	(67.4)
Compression Set	BS 903 Pt A6 - ISO 815	%	20	23	24	24	26
Abrasion Loss	DIN 53516	mm ³	39	40	36	30	23
Resilience	ASTM D 2632-92	%	65	60	45	44	44
Specific Gravity		g/cm ³	1.21	1.21	1.21	1.21	1.21

PROPERTIES	TEST METHOD	UNIT	VALUE			
HARDNESS	DIN 2240-91	SHORE A	80	85	90	70
100% Modulus	BS 903 Pt A2 - ISO 37	lb/in ² (Mpa)	740 (5.1)	890 (6.1)	1240 (8.6)	1580 (10.9)
300% Modulus	BS 903 Pt A2 - ISO 37	lb/in ² (Mpa)	1420 (9.8)	1570 (10.8)	2420 (16.7)	2600 (17.9)
Tensile Strength	BS 903 Pt A2 - ISO 37	lb/in ² (Mpa)	6230 (43.0)	5840 (40.3)	5060 (34.9)	4430 (30.6)
Elongation @ Break	BS 903 Pt A2 - ISO 37	% lb/in	610 460	630 490	610 580	560 660
Tear Strength	BS 903 Pt A3 - ISO 34-1	(KN/m)	(80.5)	(85.8)	(101.5)	(115.5)
Compression Set	BS 903 Pt A6 - ISO 815	%	26	24	22	22
Abrasion Loss	DIN 53516	mm ³	25	30	36	39
Resilience	ASTM D 2632-92	%	42	40	37	35
Specific Gravity		g/cm ³	1.22	1.22	1.23	1.24

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