MPC Durethane® M

TYPICAL PHYSICAL PROPERTIES, MATERIALS FORMULATED FROM DURETHANE® M

NAME		DM-710A	DM-715A	DM-720A	DM-630A	DM-640A	DM-650A
	Shore A	10A	15A	20A	30A	40A	50A
	Shore 00	55	60	65	75	85	95
	DENSITY(pcf)[2]	20	25	30	30	40	50
	BACKBONE (MDI)	ETHER	ETHER	ETHER	ESTER	ESTER	ESTER
TENSILE MODULUS[3]	100% (psi)	40	44	60	145	170	190
	200% (psi)	90	96	150	195	275	305
	300% (psi)				315	405	455
	TENSILE (pounds)[4]	100	110	165	705	995	1150
	ELONGATION AT BREAK (%)[5]	340	360	350	525	570	625
	TEAR – DIE C (pounds)[6]	30	35	43	80	110	130
	BASHORE REBOUND %[7]	43	49	52	33	35	40
COMPRESSION LOAD DEFLECTION [8]	10% (pounds)	3.8	8	10	35	60	70
	20% (pounds)	5.5	13	17.5	60	95	105
	30% (pounds)	6.8	16.8	22.5	95	135	150
	40% (pounds)	8.5	22	30			
	50% (pounds)	11.3	31.5	41.3			

[1] DUROMETER: ASTM D2240

[2] DENSITY: ASTM D3574A

[3] MODULUS: ASTM D3574E

[4] TENSILE: ASTM D3574E

[5] ELONGATION: ASTM D3574E

[6] TEAR: ASTM D3574F

[7] REBOUND: ASTM D2632D

[8] CLD: ASTM D3574C

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