

MPC MICROCELLULAR URETHANE FOAM

TYPICAL PHYSICAL PROPERTIES

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

