

# MPC Durethane® F

## TYPICAL PHYSICAL PROPERTIES, MATERIALS FORMULATED FROM DURETHANE® F

NAME	DF-620A	DF-225A	DF-630A	DF-235A	DF-640A	DF-245A	DF-255A
Shore A <sup>1</sup>	20A	25A	30A	35A	40A	45A	55A
Shore 00 <sup>2</sup>	65A	70	75	80	85	90	
DENSITY( pcf ) <sup>3</sup>	25	40	30	50	40	60	55
BACKBONE (TDI)		ESTER		ESTER		ESTER	ESTER
BACKBONE (MDI)	ESTER		ESTER		ESTER		
TENSILE MODULUS 100% (pounds)	105	66	140	105	180	160	160
TENSILE AT BREAK (pounds) <sup>4</sup>	375	150	470	200	1150	1000	1050
ELONGATION AT BREAK (%) <sup>5</sup>	650	230	600	215	585	400	760
TEAR – DIE C (pounds) <sup>6</sup>	80	40	105	50	130	137	130
BASHORE REBOUND % <sup>7</sup>	40	34	39	37	37	36	29
COMPRESSION LOAD DEFLECTION 10% (pounds) <sup>8</sup>	30	10	50	17	65	79	
20% (pounds)	55	24	75	33	105	87	
30% (pounds)	85	37	125	48	155	148	
40% (pounds)		59		74		225	
50% (pounds)		103		124		360	

<sup>1</sup> HARDNESS SHORE A: ASTM D2240

<sup>2</sup> HARDNESS SHORE 00: ASTM D2240

<sup>3</sup> DENSITY: ASTM D3574A

<sup>4</sup> TENSILE: ASTM D3574E

<sup>5</sup> ELONGATION: ASTM 3574E

<sup>6</sup> TEAR: ASTM 3574F

<sup>7</sup> BASHORE: ASTM 2632D

<sup>8</sup> CLD: ASTM D3574C

