



Engineering & Manufacturing Co., Inc.

TOWNIPRENE PROPERTIES

PHYSICAL PROPERTIES	TOWNIPRENE PRODUCT							
	1190	3380	3395	3475	4465	4480	5190	6485
Color	YELLOW	RED	AMBER	CREAM	ORANGE	ORANGE	YELLOW	MILK-WHITE
How terminated	TDI	TDI	TDI	TDI	MDI	MDI	MDI	MDI
Hardness (Shore A)	90	85	95	75 (D)	65	85	90	85
Resilience (Bashore %)	30	50	40	40	60	55	45	25
Ultimate Tensile Strength (PSI)	3800	4600	6000	6500	3500	5000	2800	7500
Elongation (%)	350	550	300	230	600	450	425	450
100% Modulus (PSI)	1000	700	1500	4100	325	725	1200	750
300% Modulus (PSI)	2000	1300	2500	N/A	550	1600	1800	1500
Tear Resistance (split pli)	75	50	150	145	40	50	70	120
Tear Resistance (trouser pli)	115	75	200	180	70	80	80	250
Tear Resistance (die C pli)	310	350	400	950	210	325	350	550
Compression Set (%)	35	30	35	N/A	30	20	25	25
Compressive Strength (5% PSI)	190	130	250	N/A	55	128	N/A	100
Compressive Strength (10% PSI)	455	325	650	N/A	94	290	N/A	230
Compressive Strength (20% PSI)	600	525	1090	N/A	221	648	N/A	400
Compressive Strength (25% PSI)	800	650	1500	N/A	299	832	N/A	700
Compressive Strength (50% PSI)	2000	1500	N/A	N/A	840	2000	N/A	2000
Abrasion Resistance <small>(Taber H18 wheel, 1000g wt., mg loss/1000 cycles)</small>	170	45	120	N/A	30	30	N/A	25

APPLICATIONS	TOWNIPRENE PRODUCT							
	1190	3380	3395	3475	4465	4480	5190	6485
GASKETS	YELLOW						YELLOW	
PUMPS		RED			ORANGE	ORANGE		
IMPELLERS		RED			ORANGE	ORANGE		
FLOTATION		RED			ORANGE	ORANGE		
VALVES		RED			ORANGE	ORANGE		
PIPE LINING		RED						
CLASSIFIER SHOES			AMBER					MILK-WHITE
BIRD FILTER				CREAM				
WHEELS				CREAM				
BOLT-IN LINERS					ORANGE			
LOG TOOTH			AMBER					MILK-WHITE
HYDROCYCLONES		RED						
SCREENS								MILK-WHITE

This information is presented in good faith and is subject to change, for more detailed data call Townley