

**PRECISION URETHANE'S TYPICAL PHYSICAL PROPERTIES OF CAST URETHANES**

	ASTM Test Method	PP2201	PP2501	PP2601	PP2801	PP1801	PP2901	PP1901	PP2502	PP1502	PP2602	PP2702	PP1752
<b>Hardness</b>													
<b>Duro A</b>	D 2240	20	50	60	80	85	90	90					
<b>Duro D</b>	D 2240								50	50	60	70	75
<b>Tensile Modulus, psi (MPa)</b>													
<b>At 50% ext</b>	D 412	18											
<b>At 100% ext</b>	D 412	25	150	280 (1.9)	670	780	975	1115	1585	2010	2860	3200	5600
<b>At 300% ext</b>	D 412	45	300	390 (2.7)	1020	1405	1750	2050	3295	4100	5575	8400	
<b>Ultimate Tensile Strength, psi (MPa)</b>	D 412	80	3500	3500 (24.2)	6900	5295	8550	6480	8565	7340	8220	8400	7400
<b>Ultimate Elongation, %</b>	D 412	525	590	530	630	580	560	470	524	415	400	300	260
<b>Tear Strength, pli (kN/m)</b>													
<b>Die C</b>	D 624	30	128	180 (31.4)	395	425	480	490	555	575	705	980	860
<b>Split Tear</b>	D 470	10	34	25(4.4)	235	130	260	110	310	205	422	476	280
<b>Compression Set, % after 22 hrs at 158°F (70°C)</b>													
<b>Method B, 25% deflection</b>	D 395	6	1.7	6	26	28	24	30	29	30	35	36	
<b>Resilience (rebound), %</b>	D 2632			32	39	55	38	48	28	42	44	52	58
<b>Specific Gravity</b>	D 792			1.16	1.14	1.05	1.18	1.03	1.20	1.02	1.22	1.16	1.08