

Precision Punch & Plastics Co.

Materials: PUMEG-75D & -65D: Hard strong plastics, good impact similar in physicals to Nylon & Delrin plastics
PUPG-95A to PUXL-20A: Polyurethane elastomers, tough ,strong, have good rebound, high impact and abrasion resistance

Applications: Industrial Machinery, Material Handeling Equipment, Recreational Products, Agricultural and Mining Parts

Physical Properties	ASTM Test Method	Polymer PUMEG-75D	Polymer PUMEG-65D	Polymer PUPG-95A	Polymer PUPG-80A	Polymer PUXL-60A	Polymer PUXL-40A	Polymer PUXL-20A
Hardness (D)	D676	75D	65D					
Hardness (A)	D676			95A	80A	60A	40A	20A
Tensile Strength, psi	D412	9500	9000	6000	3200	1300	527	200
Tensile Modulus, psi	D412							
100 % elongation		6400	4000	1800	700	390	200	82
300 % elongation				4200	900	816	442	156
Ultimate Elongation %	D412	180	275	360	650	582	367	460
Tear Strength								
Die C	D624	1,100	950	400	310	186	78	35
Split	D470	110	120	90	60	28.5	13	8
Compression set, %	D395-A	1.8	3.9	42	50	35.5	****	*****
Under constant force (1350 psi) for 22 hr at 158 F								
Bashore rebound, %	D2632	63	52	45	47	55	63	47
Brittleness temp, F	D1044	-85	-100	-58	-76	-50	-50	-45

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