



6100 Blue Circle Drive, Minnetonka, MN 55343
 Phone: (952) 933-0993
 Email: info@precisionpunch.com

Precision Punch and Plastics Polyurethane Polymers												
Property		ASTM	PUF30A	PUF55A	PUFE80A	PUFMG87A	PUFMG90A	PUFMG95A			PUFMG75D	PUFM85D
Hardness:	Shore A	D-2240	30A	55A	80A	87A	90A	95A				
	Shore D	D-2240									75D	85D
Tensile Strength, (PSI)		D-412	380	2000	7500	6100	6000	7000			7800	9600 (D638)
Elongation, %		D-412	515	560	650	440	425	375			230	20
100% Modulus, (PSI)		D-412	80	210	625	1185	1200	2000			5600	325000
300% Modulus, (PSI)		D-412	170	360	1075	2050	2350	4500			-	12500
Tear Strength:	Split, lb./in.	D-470		15 (D1938)	200 (D1938)	110 (D1938)	80 (D1938)	145 (D1938)			230 (D1938)	-
	Die C, lb./in.	D-624	90	135	445	350	360	475			1100	-
Abrasion Resistance, NBS Index		D-1630										
Impact Resistance, (Izod) ft. lb./in.		D-256										>10 1.5
Compression Set:	Method B, %	D-395	9	-	30	34	30	30			-	-
	Method A, %	D-395										
Bashore Resilience, %		D-2632		-	38	48	48	46			65	-
Bell Brittle Point, F.		D-2137										
Coefficient of Friction		D-1894										
				Low compression set; good water resistance	Excellent Cut and Tear Good strength		Excellent dynamics and hydrolysis resistance	Excellent dynamics and hydrolysis resistance				High Mechanical properties, Low friction