



# KRYPTANE® POLYURETHANE PHYSICAL PROPERTIES

## Lab Report

Please note: As with all polyurethane products, application and field testing by the user are necessary to determine suitability of the selected product or product combination for each specific application.

### ETHER

TEST CATEGORY	ASTM #	62A Ether	74A Ether	80A Ether	90A Ether
100% Modulus (psi)	D412	352	534	645	1216
300% Modulus (psi)	D412	602	988	1234	2386
500% Modulus (psi)	D412	1591	2502	2849	4090
Tensile Strength (psi)	D412	3333	4264	4501	4605
Elongation at Break (%)	D412	800	600	650	600
Trouser Tear (pli)	D624	99	122	180	127
Die. C Tear (pli)	D624	235	321	361	465
Bayshore Rebound	D2632	77	80	77	60
Compression Set B 22 hr. @ 70°C	D395	48	43	23	26
<b>DIN ABRASION</b>	D5963				
Relative Vol Loss (mm <sup>3</sup> )		45	39	48	48
Abrasion Resistance Index (ARI-%)		329	377	309	311

### ESTER

TEST CATEGORY	ASTM #	63A Ester	69A Ester	83A Ester	93A Ester	83A Ester (FRAS)
100% Modulus (psi)	D412	400	372	800	1390	630
300% Modulus (psi)	D412	708	597	1264	2250	1023
500% Modulus (psi)	D412	1947	1125	3413	5500	1690
Tensile Strength (psi)	D412	4865	2279	6600	7500	3378
Elongation at Break (%)	D412	575	600	600	525	646
Trouser Tear (pli)	D624	68	157	250	460	136
Die. C Tear (pli)	D624	248	248	450	598	379
Bayshore Rebound	D2632	53	51	53	39	49
Compression Set B 22 hr. @ 70°C	D395	29	23	19	22	28
<b>DIN ABRASION</b>	D5963					
Relative Vol Loss (mm <sup>3</sup> )		59	49	44	52	77
Abrasion Resistance Index (ARI-%)		253	303	340	285	191