

TPU PRODUCTS & PROPERTIES	ASTM	T460AH-4	T465A	58238	ST 80ATPE
		Ester	Ester	Ester	Ether
Hardness (Shore)	D-2240	67A	71A	75A	80A
Specific Gravity	D-792	1.13	1.14	1.17	1.06
Tensile Strength (psi)	D-412 / D-638	4300	5700	7000	3300
Elongation (%)	D-412 / D-638	650	520	680	750
Tensile stress at 100% strain (psi)	D-412 / D-638	400	550	650	530
Tensile stress at 300% strain (psi)	D-412 / D-638	675	1000	1800	970
Tensile Set (%)	D-412 / D-638	6	3	4	
Compression Set (%), 23°C	D-395	13	10	21	
Compression Set (%), 70°C		69	54	62	
Graves Tear (lb/in)	D624 (die C)	270	355	390	390
Tg (°C by DSC)		-40	-43	-45	-60
Koffler Melt Point (°C)		128	179	137	
Taber (mg. H18, 1000g)	D-3389 B	6.4	8.1	21	0.002
COMMENTS		Low compression & tensile set, high resiliency	Low compression & tensile set, high resiliency	Low compression & tensile set, high resiliency	Low durometer soft feel for excellent grip; outstanding adhesion

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Lubrizol Advanced Materials, Inc.

9911 Brecksville Road
Cleveland, OH 44141-3247
888-234-2436

www.estane.com