

TPU PRODUCTS & PROPERTIES:	ASTM	58887	58244	58810	58215	58211	58219	58212
		Aromatic	Aromatic	Aromatic	Aromatic	Aromatic	Aromatic	Aromatic
		Ether	Ether	Ether	Ether	Ether	Ether	Ether
Hardness (Shore)	D-2240	87A	90A	90A / 42D	90A / 48D	90A / 49D	92A / 46D	95A / 46D
Specific Gravity	D-792	1.12	1.19	1.13	1.14	1.29	1.13	1.16
Tensile Strength (psi)	D-412 / D-638	7,500	2,000	5,550	9,5700	4,050	9,000	8,000
Elongation (%)	D-412 / D-638	500	600	525	450	340	470	400
Tensile Set (%)	D-412 / D-638	18	29	25	20	53	16	20
Compression Set (%)	D-395	23	40	25	24	37	32	36
Tg (°F by DSC)		-49	-36	-47	-40	-36	-49	-13
Vicat (°F)	D-1525	201	158	230	248	176	221	239
Flex Mod (psi)	D-790	6,190		5,470	14,100	11,300		10,990
Taber (H-18, 1000g)	D-3389	.00141	.012	.0014	.00152	.0083	.00141	
COMMENT		Good clarity, High resilient, NSF 61 listed	NHFR, V-0, 28 LOI	High temp resistance, Wire & cable, Hose & tube	Excellent physical properties, Hydrolysis, Resistance, NSF 61 listed	HFR, Good abrasion resistance, V-0, 32 LOI	Good clarity, strength & Low temp flexibility, NSF 61 listed	Excellent clarity, Good melt strength, Cable jacketing, Hose & tube profile & film

02/2011

- ASTM Test Methods and More Property Available on Product Data Sheets
- DSC – Differential Scanning Calorimeter
- *Tested per DIN Standard
- Products are not aged (annealed) prior to testing
- NHFR – Non Halogen Flame Retardant
- HFR – Halogenated Flame Retardant

January 2011

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained. The information is based on laboratory work with small-scale equipment and does not necessarily indicate end product performance. Because of the variations in methods, conditions and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the applications disclosed. Full-scale testing and end product performance are the responsibility of the user. Lubrizol Advanced Materials, Inc. shall not be liable for and the customer assumes all risk and liability of any use or handling of any material beyond Lubrizol Advanced Materials, Inc.'s direct control. The SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.

© 2011 The Lubrizol Corporation. All Rights Reserved.



The Lubrizol Corporation
 9911 Brecksville Road
 Cleveland, OH 44141
 888-234-2436
www.estane.com