

Wire & Cable – Soft (Metric Units)

TPU PRODUCTS & PROPERTIES:	ASTM	MVT 75AT3	58370	58881	58300	58202	58284	58311	58315	58325	58863	58866	
		Aromatic	Aromatic	Aromatic	Aromatic	Aromatic	Aromatic	Aromatic	Aromatic	Aromatic	Aromatic	Aromatic	Aromatic
		Ether	Ether	Ether	Ether	Ether	Ether	Ether	Ether	Ether	Ether	Ether	Ether
Hardness (Shore)	D-2240	7A	80A	80A	82A	85A	85A	85A	85A	85A	85A	85A	
Specific Gravity	D-792	1.07	1.18	1.13	1.10	1.25	1.10	1.13	1.12	1.12	1.12	1.17	
Tensile Strength (MPa)	D-412/D-638	34.5	29.7	23.4	37.9	27.6	48.3	45.5	48.3	51.7	40.7	27.6	
Elongation (%)	D-412/D-638	700	690	710	650	650	550	520	570	600	600	730	
Tensile Set (%)	D-412/D-638	8	15	10	11	17	8	14	14	10	14	14	
Compression Set (%)	D-395	24	33	18	24	25	19	18	22	2	24	24	
Tg (°C by DSC)		-68	-50	-52	-50	-45	-44	-49	-50	-44	-47	-47	
Vicat (°C)	D-1525		70	68	72	68	92	94	81	81	81	81	
Flex Mod (MPa)	D-790		109	17	21	42		30	31	28	23	23	
Taber (H18, 1000g)	D-3389	20			22	155	83		37	63			
Flame Rating	UL-94		V2 (75 mil)			V0 (75 mil)						V0 (75 mil)	
LOI			28			32						30	
COMMENT		High resiliency, HMVT, Soft touch for overmolding	HFR	High resiliency & Low temp flexibility	Low temp flexibility, NSF 61 listed	HFR, Good low temp properties	Matte surface finish, superior durability	Extrusion/ Injection molding, NSF 61 listed	Good heat, abrasion & cut resistance, HMVT, NSF 61 listed	High melt viscosity, High mechanicals for thick sheet extrusion	Good elasticity, High melt flow for easy processing	HFR, Transparent & soft	

- 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
- HFR – Halogenated Flame Retardant
- HMVT – High Moisture Vapor Transmission

02/2011

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