

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	75A	80A	80A	82A	85A	85A	85A	85A	85A	85A	85A	
Specific Gravity	D-792	1.07	1.18	1.1	1.10	1.25	1.10	1.13	1.12	1.12	1.17	1.17	
Tensile Strength (psi)	D-412 / D-638	5,000	4,300	3,400	5,500	4,000	7,000	6,600	7,000	7,500	4,000	4,000	
Elongation (%)	D-412 / D-638	700	690	710	650	650	550	520	570	600	730	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	28	24	24	
Tg (°F by DSC)		-90	-58	-61	-58	-49	-47	-56	-58	-47	-53	-53	
Vicat (°F)	D-1525		158	154	162	154	198	201	178	81	178	178	
Flex Mod (psi)	D-790		15,750	2,480	3,110	6,110		4,360	4,530	4,020	3,320	3,320	
Taber (H-18, 1000g)	D-3389	.0007			.0008	.005	.0003		.0013	.0022			
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
- HMVT – High Moisture Vapor Transmission
- HFR – Halogenated Flame Retardant

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