



GENERAL PROPERTIES						MECHANICAL PROPERTIES											REGULATORY	
Base Resin	Color	Hardness	Specific Gravity	Compression Set	Tensile Strength @ 50%		Tensile Strength @ 100%		Tensile Strength @ 200%		Tensile Strength @ Break		Elongation	Tear Resistance		Melt Index	ISO 10993	USP VI
		ASTM/ISO Shore A/D	ASTM/ISO	ASTM/ISO %	ASTM psi	ISO MPa	ASTM psi	ISO MPa	ASTM psi	ISO MPa	ASTM psi	ISO MPa	ASTM/ISO %	ASTM pli	ISO kN/m			

NEUSpeedSM Polymers

HC0520-0204-4020	PEBA	White	95A	1.198	31.3	1437	9.9	1556	10.7	1709	11.8	2888	19.9	805	507	88.88	31.72 235/2.16K	✓	✓
HC0520-0205-4040	PEBA	White	97A	1.468	28.3	1586	10.9	1653	11.3	1704	11.7	2437	16.8	729	433	75.9	34.64 235/2.16K	✓	✓
HC0520-0206-7220	PEBA	White	53D	1.225	29.1	4070	25.1	4182	28.8	4297	29.6	7459	51.4	562	1061	186	13.3 230/2.16	✓	✓
HC0520-0207-7240	PEBA	White	54D	1.496	33.2	4216	29.1	4335	29.9	4402	30.4	5483	37.8	394	1002	175.5	12.5 230/2.16	✓	✓
HC0120-0200-8020	TPU	White	89A	1.320	41.4	763	5.3	901	6.2	1062	7.3	3377	23.3	925	506	88.7	47.1 190/5K	✓	✓
HC0120-0201-8040	TPU	White	90A	1.579	49.6	861	5.9	992	6.8	1115	7.7	2468	17.0	926	495	86.8	48.3 190/5K	✓	✓
HC0120-0202-6520	TPU	White	53D	1.416	48.7	2601	17.9	2888	19.9	3171	21.9	3604	24.8	336	742	130	40 210/2.16K	✓	✓
HC0120-0203-6540	TPU	White	53D	1.659	48.0	2291	15.8	2458	16.9	2471	17.0	2823	19.4	269	631	110.5	49 210/2.16K	✓	✓

NEUSoftTM Polymers

N8511-1H	TPU	Natural	58A	1.159	38.9	211	1.46	266	1.8	319	2.2	1920	13.2	1036	224	39.23	26.6 177/5K	*	*
596 Ether 50	TPU	Natural	62A	1.000	34.0	330	2.3	432	3.0	591	4.0	2302	15.9	689	209	36.64	18.55 190/8.7K	✓	✓
597 Ether 50	TPU	Natural	63A	1.008	32.6	196	1.4	262	1.8	354	2.4	2926	20.1	969	227	39.68	12.62 190/8.7K	✓	✓
597 Ether 60	TPU	Natural	70A	1.032	38.0	355	2.4	454	3.1	601	4.1	3722	26.7	729	288	50.34	6.6 190/8.7K	✓	✓
596 Ether 60	TPU	Natural	75A	1.032	35.3	366	2.5	465	3.2	617	4.3	3559	24.5	711	319	55.76	7.8 190/8.7K	✓	✓

The NEUSpeedSM TPU and PEBA families are formulated so they can be blended to obtain intermediate properties within their ranges of hardness and contrast. To extend the range they can also be blended with their unmodified base resins.

See technical data sheets for complete details and testing conditions.
*Testing needed in final application.

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NEUSpeedSM

NEUSpeedSM is a 24-hour order fulfillment service for stocked medical-grade compounds. Minimum order quantities range from 10 to 55 pounds. This rapid response service is designed to help our customers meet their sample material needs during the R&D phase of an innovative new product or the creation of a unique feature of a current product.

NEUSoftTM

NEUSoftTM Series are transparent polyether or polyester-based TPU blends that have good elasticity, abrasion and tear resistance. TPUs resist greases and oils, and are suitable for overmolding.

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