



Trilliant™ Compounds

Product Selection Guide North America

	General Properties				Mechanical Properties			Impact		Thermal		Regulatory	Sterilization	
	Base	Specific Gravity	Molding Shrinkage Transverse	Molding Shrinkage Linear	Tensile Strength (Break)		Elongation (Break)	Notched Izod Impact		Deflection Temperature Under Load		USP Class VI	Steam	EtOH
		English/SI	English (in/in)	English (in/in)	English (psi)	SI (MPa)	English/SI (%)	English (ft-lb/in)	SI (J/m)	English (°F)	SI (°C)			
HC6620-0033 RS Natural	Nylon 6,6	1.40	0.017	0.003	27,500	190	12	2.1	112	>473	>245	✓	✓	✓
HC5220-0040 RS Natural	PP	1.22	0.014	0.001	8,400	58	1	0.8	43	>311	>155	✓	✓	✓
HC3220-0030 RS Natural	PC	1.41	0.011	0.001	17,000	117	9	2.3	122	>289	>143	✓	✓	✓
HC3320-0020 RS Natural	PBT	1.46	0.018	0.004	14,000	96	9	0.9	48	>424	>218	✓	✓	✓
HC3620-0040 RS Natural	PC/PBT	1.20	0.007	0.007	6,300	43	100	13	689	>176	>80	✓	✓	✓
HC9820-0030 RS Natural	PEEK	1.51	0.011	0.003	25,600	176	9	2.2	117	>473	>245	✓	✓	✓
HC5410-0030 RS Natural	HDPE	1.18		0.003	6,000	41	4	1.5	80	240*	116*			
HC3200-0020 C Natural	PP	1.05		0.008–0.012	3,600	25	60	1.1	58	244	118		✓	✓
HC3200-0040 C Natural	PP	1.23		0.004–0.008	3,400	23	25	0.5	27	264	129		✓	✓
HC6000-0011 XR Natural	Nylon 6	11.3			7,400	51	1						✓	✓
THC-02 1200 IL Natural	Nylon 6,6	1.14	0.036	0.021				1.7	91	180 ^a	82 ^a		✓	✓
X THC 1100 Natural	Co-polyester	1.16	0.003	0.006	5,300	37	74	18	960	203 [^]	95 [^]			✓
X THC 1101 Natural	Co-polyester	1.13	0.005	0.006	3,400	23	40	16	850	201 [^]	94 [^]			✓

Testing Methods

Specific Gravity: ASTM D792
 Notched Izod Impact: ASTM D256A (73°F, 0.250in)
 Tensile Strength & Elongation: ASTM D638
 Molding Shrinkage: ASTM D955
 Hardness: ASTM D2240

Deflection Temperature Under Load: ASTM D648 (66 psi, Annealed, 0.125in)
 *264 psi, Annealed, 0.125in
^a 264 psi, Unannealed
[^] 66 psi, Unannealed