

Manufacturer	Type	Grade	Filaments	Tow Size		Tensile Strength		Tensile Modulus		Avail lablilty*	Relative Price	Relative Price	Applications
				g/m	Denier	KSI	Mpa	MSI	Gpa				
HEXCEL	IM8	Aerospace	12K	0.446	4014	880	6067	45.0	310	ISV	\$\$\$\$	Intermediate Modulus for high strength requirements	Aerospace
HEXCEL	IM7	Aerospace	12K	0.446	4014	820	5654	40.0	276	ISC	\$\$\$\$	Intermediate Modulus for high strength requirements	Aerospace
HEXCEL	IM2C	Commercial	12K	0.446	4014	830	5723	43.0	296	BTO	\$\$	Intermediate Modulus for high strength requirements	High End Commercial
HEXCEL	IM2A	Commercial	12K	0.446	4014	770	5309	40.0	276	BTO	\$\$	Intermediate Modulus for high strength requirements	High End Commercial
HEXCEL	AS7	Aerospace Commercial	12K	0.800	7201	710	4895	36.0	248	BTO	\$ \$	Standard Modulus available in both aerospace and commercial grades	Aerospace and Commercial
HEXCEL	AS4	Aerospace	12K	0.858	7723	640	4413	33.5	231	ISC	\$\$	Standard Modulus certified to meet Aerospace requirements	Aerospace
HEXCEL	AS4	Aerospace	6K	0.427	3843	640	4413	33.5	231	BTO	\$\$		
HEXCEL	AS4	Aerospace	3K	0.210	1890	670	4619	33.5	231	ISC	\$\$\$		
HEXCEL	AS4A	Commercial	12K	0.800	7723	640	4412	33.5	231	ISV	\$	Standard Modulus, lower cost. Same tow size as AS4	Commercial/Industrial/Consumer
HEXCEL	AS4C	Aerospace Commercial	12K	0.800	7201	650	4482	33.5	231	BTO	\$\$ \$	Standard Modulus available in commercial or aerospace grades. Slightly lower tow size than AS4	Aerospace or Commercial grades available
HEXCEL	AS4C	Aerospace Commercial	6K	0.400	3600	645	4447	33.5	231	BTO	\$\$ \$\$		
HEXCEL	AS4C	Aerospace Commercial	3K	0.200	1800	675	4654	33.5	231	BTO	\$\$\$ \$		
FORMOSA	Tairyfil TC-35	Commercial	12K	0.800	7201	580	4000	35.0	240	BTO	\$ \$	Standard Modulus, lower cost	Commercial/Industrial/Consumer
MITSUBISHI	Grafil 34-700	Commercial	12K	0.800	7201	700	4830	34.0	234	BTO	\$ \$	Standard Modulus, lower cost	Commercial/Industrial/Consumer
SGL GROUP	Sigrafil C40	Commercial	24K	1.600	14401	700	4800	35.5	245	BTO	\$ \$	Standard Modulus. Only available in 24k unsized	Commercial/Industrial/Consumer