



NYLON 6											
	STD	Impact Modified x 1	Impact Modified x 3	Glass 15%	Glass 30%	Glass 50 %	Glass Bead 30%	Impact Modified 15 % Glass Filled	FR STD		What does it mean?
Tensile Strength	75	65	50	120	180	210	75	120	75	Mpa	Higher = Stronger
Ultimate Elongation	75	50	75	5	3	3	10	5	40	%	Lower = Stronger
Flexural Modulus	2600	2000	1400	4100	8000	10000	3300	4000	2600	Mpa	Lower = More Flexible
Flexural Strength	95	75	60	120	230	275	115	130	95	Mpa	Higher = More rigid
Impact Strength Izod Notched	6	9	40	7	12	15	4	8	5	kJ/m2	Higher = Stronger
Melting Point	215	215	215	220	220	220	215	215	220	deg C	
Moisture Absorption	1.8	1.2	1.3	1.5	1.1	0.8	1.4	1.5	1.4	%	
Specific Gravity	1.13	1.1	1.1	1.25	1.37	1.51	1.37	1.25	1.13		Higher = Less yield
Shrinkage	1.5	1.5	1.5	0.4	0.3	0.2	1.0	0.4	1.5	%	Higher - More Shrinkage
Flammability	V2	HB	HB94	94HB	HB	HB94	HB	94HB	FR		
Glow Wire	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BS1363		
Maximum Service Temperature	80c	80c	80c	110c	115c	120c	115c	110c	80c	deg C	Higher - Improved service range
Service Temperature is a guide only under no strain air											
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