

Grade list PA66 unfilled

		Grade		2020B	2020UW1	2026B	2020IU	2015SE
		ISO Identification Mark		>PA66<	>PA66<	>PA66<	>PA66+E<	>PA66-FR<
		Unit	Method					
Density		g/cm³	ISO 1183	1.14	1.14	1.14	1.08	1.08
Water absorption	23°C ,50%RH	%	UBE method	1.8	1.8	1.8	2.1	1.3
Mold shrinkage	MD	%	UBE method	1.7	1.7	1.7	1.8	1±0.7
	TD	%		2.2	2.2	2.2	2.4	1±0.8
Tensile strength		MPa	ISO 527-1,2	Y85	Y85	Y85	Y48	Y90
Tensile strain at break		%		tB30	tB30	tB50	tB>50	tB7
Tensile modulus		GPa		3.1	3.1	3.1	1.8	3.8
Flexural strength		MPa	ISO 178	110	115	110	72	130
Flexural modulus		GPa		2.7	2.8	2.7	1.8	3.8
Charpy impact		Kj/m²	ISO 179-1	4.5	4.5	4.5	120	3.0
Deflection Temp. under Load	0.45MPa	°C	ISO 75-1,2	200	200	200	215	230
	1.8MPa	°C		70	70	70	—	80
Coef. Of linear thermal expansion		X10-5/°C	ISO 11359-2	8	8	8	—	8
Electric strength		Kv/mm	IEC 60243-1	20	—	—	—	20
Arc resistance		S	ASTM	182	—	—	—	130
C.T.I.		UL Index	UL746A	0	—	—	—	0
Relative permittivity		—	IEC 60250	3.4	—	—	—	
Flammability class / thickness in mm			UL 94	V-2/0.73	V-2/0.71	—	—	V-0/0.38