



















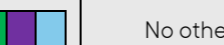


Plastic Table

TECHNICAL PLASTICS

This plastic chart is indicative. If you need precise calculations or personal guidance regarding construction and selection of material, our specialists are ready to help you!

INDUFLEX

PLASTIC PARTNER OF THE INDUSTRY

Generally	PE300	PEHD500	PEHD1000	PEHD2000	POM-C	PA (Nylon)	PET-P	PVDF	PTFE	PEEK	ABS	PP
Chemical name	Polyethylene	Polyethylene High Density	Polyethylene High Density	Polyethylene High Density	Polyoxymethylene Copolymer	Polyamide	Polyethylene-terephthalate	Polyvinylidenefluoride	Polytetrafluoroethylene	Polyetheretherketone	Acrylonitrile butadiene styrene	Polypropylene
Density	0,95 g/cm	0,95 g/cm	0,93 g/cm	0,94 g/cm	1,41 g/cm	1,15 g/cm	1,36 g/cm	1,78 g/cm	2,18 g/cm	1,31 g/cm	1,05 g/cm	0,92 g/cm
Temp. Min.	- 50 °C	- 100 °C	- 200 °C	- 200 °C	- 50 °C	- 40 °C	- 20 °C	- 30 °C	- 200 °C	- 40 °C	- 10 °C	- 10 °C
Temp. Max.	80 °C	80 °C	80 °C	80 °C	100 °C	100 °C	110 °C	150 °C	260 °C	260 °C	75 °C	100 °C
Temp. Melting point	130 °C	135 °C	135 °C	135 °C	166 °C	221 °C	244 °C	171 °C	-	341 °C	102 °C	165 °C
Moisture absorption	Low	Low	Low	Low	Low	High	Very low	Very low	High	Low	Medium	Very low
Thermal expansion*	High	High	High	High	High	High	Medium	High	High	Low	Medium	High
Friction	Medium	Low	Very low	Extremely low	Low	Very low	Low	Low	Extremely low	Low	High	Low
Wear by water and sand	Bad	Good	Very good	Very good	Bad	Very good	Medium	Medium	Good	Medium	Bad	Medium
Chemical resistance	Good Acids & bases	Good Acids & bases	Good Acids & bases	Good Acids & bases	Good Bases	Good Bases	Good Acids	Good Acids, alkalis & bases	Good Acids & bases	Good Acids & bases	Good Bases	Very good Acids
Rigidity	Rigid	Medium rigid	Soft	Soft	Very rigid	Rigid	Very rigid	Medium rigid	Very soft	Very rigid	Rigid	Soft
Electrically Insulating	Medium	Medium	Medium	Medium	Good	Good	Medium	Good	Very good	Very good	Medium	Medium
FCM: FDA & EU 10/2011	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Not approved	Standard
UL94	Optional	Optional	Optional	Optional	HB***	HB***	HB***	VO****	VO****	VO****	HB***	HB***
UV resistance	Optional	Optional	Optional	Optional	Only black color	Only black and blue color	Not possible	Standard	Standard	Optional	Not possible	Optional
Antistatic	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Not possible	Optional
Dimensional Stability	Medium	Medium	Medium	Medium	Good	Good	Very good	Good	Bad	Bad	Bad	Medium
Colors (Standard)												
Colors (Possibilities)								No other	No other	Very few		

Processing	PE300	PEHD500	PEHD1000	PEHD2000	POM-C	PA	PET-P	PVDF	PTFE	PEEK	ABS	PP	PC	PMMA	PETG	APET	PVC
Machining	Good	Good	Good	Medium	Good	Medium	Good	Medium	Medium	Good	Medium	Bad	Medium	Medium	Medium	Medium	Medium
Laser cutting	Not possible	Not possible	Not possible	Not possible	Not possible	Medium	Not possible	Not possible	Bad	Very good	Good	Good	Not possible	Very good	Good	Good	Not possible
Heat Folding	Good	Bad	Bad	Bad	Medium	Medium	Medium	Bad	Not possible	Not possible	Good	Good	Medium	Good	Good	Good	Medium

Plastic Table

TRANSPARENT PLASTICS

This plastic chart is indicative. If you need precise calculations or personal guidance regarding construction and selection of material, our specialists are ready to help you!

INDUFLEX

PLASTIC PARTNER OF THE INDUSTRY

Generally	PC	PMMA	APET	PETG	PVC
Chemical name	Polycarbonate	Acrylics (XT)	Polyester	Polyethylene terephthalate Glycol	Polyvinyl Chloride
Density	1,2 g/cm	1,19 g/cm	1,33 g/cm	1,27 g/cm	1,42 g/cm
Temp. Min.	- 40 °C	- 40 °C	- 20 °C	- 40 °C	- 40 °C
Temp. Max.	100 °C	80 °C	130 °C	65 °C	50 °C
Temp. Melting point	140 °C	105 °C	75 °C	80 °C	95 °C
Moisture absorption	Low	Low	Low	Low	Low
Thermal expansion*	Medium	High	Medium	Medium	Medium
Light transmission	87-91 %	92 %	89 %	88 %	87 %
Chemical resistance	Good Acids	Medium Weak acids & bases	Good Acids & bases	Medium Acids & bases	Good Acids & bases
Rigidity	Medium	Rigid	Rigid	Medium	Rigid
Electrically Insulating	Medium	Good	Medium	Good	Good
FCM: FDA & EU 10/2011	Optional	Standard	Optional	Optional	Optional
UL94	Optional	HB****	Optional	HB***	VO****
UV resistance	Standard	Standard	Optional	Optional	No possible
Antistatic	Optional	Optional	Optional	Optional	Optional
Dimensional Stability	Medium	Good	Medium	Medium	Good
Colors (Standard)	Clear	Clear, white and black	Clear	Clear	Clear
Colors (Possibilities)	No other	80 different colors (Molded)	No other	No other	No other

Possible Additives	
Coal	Becomes electrically conductive/antistatic. Strengthens mechanical properties. Also prevents cold flow.
Glass	Helps to increase the material's strength. Also briefly increases the service temperatures of the material.
Oil	Reduces friction. Adds self-lubricating properties and increases sanding ability.
Wax	Reduces friction, adds self-lubricating properties and improves the material against high loads.
Teflon	Reduces friction.

* Contact us for precise calculation
 ** Indicative - not all acids and bases are suitable for the given type of plastic. Contact us for precise clarification
 *** HB = Horizontal burn / dripping
 **** VO = Vertical burn / does not drip, burns up