



Panlite® – the Ideal Choice

Panlite® from Teijin is characterised by its high transparency, heat resistance, toughness and dimensional stability. Teijin relies on a manufacturing process for its polycarbonate that differs from that of other suppliers.

The so-called solvent process ensures a very pure product with excellent optical properties. Due to this production process, the thermal stability in the melt is excellent and the risk of a yellow tinge in the final product minimised. Due to its high transparency **Panlite®** is ideally suited for optical applications.



Many Polycarbonate Grades Available

In addition to the standard grades, the polycarbonate range also includes UV-modified grades with different viscosities for injection moulding and extrusion.

The PC flame retardant portfolio includes glass fibre reinforced and non-reinforced grades with a fire classification up to UL 94 V0 or UL 94 5VA. Selected **Panlite®** grades fulfil the requirements of glow-wire testing up to a maximum temperature of 960° C.

For lighting applications, there is a broad portfolio of light-diffusing polycarbonate grades. Particularly the flame-retardant, light-diffusing **Panlite®** grades, with UL 94 V2 and V0 respectively, offer improved luminous flux in the visible wavelength of light.

These **Panlite®** light diffusion products are also impressive due to their white colour tone in OFF mode.

People. Think. Plastics.

We work with you to find the plastic solutions for your polycarbonate (PC) applications. Benefit from our technical application advice. We complement your requirements with the right material – including service and tailor-made logistics concepts.

Industries

Panlite® is the ideal choice for polycarbonate applications in automotive, electrical & electronics, lighting, optics and other industries.



Grade	Properties	Color	MVR 300 °C/1.2 kg [cm ³ /10 min]	Flammability UL 94	Outdoor Suitability UL 746C
PC GP					
Panlite® L-1225Y	Medium viscosity, easy to demould	Transparent	11	V2 (0.75 mm), HB (3.0 mm)	f-2
Panlite® L-1225 Z100	Medium viscosity, easy to demould, UV-stabilised	Transparent	12	V2 (0.75 mm), HB (3.0 mm)	f-1
Panlite® L-1250 Z100	Medium viscosity, easy to demould, UV-stabilised	Transparent	8	V2 (0.75 mm), HB (3.0 mm)	f-1
PC FR					
Panlite® LN-2250Y	Medium viscosity, flame-retardant	Transparent	11	V2 (0.43 mm), V0 (3.0 mm)	-
Panlite® LN-2250Z	Medium viscosity, flame-retardant, UV-stabilised	Transparent	11	V2 (0.43 mm), V0 (3.0 mm)	f-1
PC FR GF					
Panlite® GN-3610Z	10 % glass fibres, flame-retardant, UV-stabilised	Black, others on request	16	V0 (1.6 mm), V0 (3.0 mm)	f-1
Panlite® GN 3620L	20 % glass fibres, flame-retardant, UV-stabilised	Black, others on request	n.d.	V0 (1.6 mm), V0 (3.0 mm)	-
PC FR LIGHT DIFFUSION					
Panlite® ML-3210LP	Low viscosity, flame-retardant, light-diffusing	whitish	18	V2 (1.0 mm), V2 (3.0 mm)	-
Panlite® ML-3500ZAL	Low viscosity, flame-retardant, UV-stabilised, light-diffusing	whitish	18	V2 (0.4 mm–6.00 mm)	f-1
Panlite® ML-7500ZCL	Low viscosity, flame-retardant, UV-stabilised, light-diffusing	whitish	18	V0 (1.0 mm), V0 (3.0 mm)	f-1
PC FR LIGHT REFLECTION					
Panlite® LN-1010RM	Flame-retardant, light-reflecting	white	n.d.	V0 (0.38 mm), V0 (3.0 mm)	-

Do You Need another Polycarbonate Solution?

We offer you a wide variety of material solutions with the product range from Teijin. We will happily support you with the product selection.

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