

Panlite® GP (PC General Purpose)



Panlite® from Teijin is characterized by its high transparency, heat resistance, toughness, and dimensional stability. Teijin uses 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. This manufacturing process results in excellent thermal stability in the melt and minimizes the risk of yellowing in the end product. Due

to its high transparency, **Panlite®** is ideal for optical applications.

Panlite® – The ideal choice

Grade	Properties	Colour	MVR ISO 1133 300 °C/1.2 kg [cm³/10 min]	Charpy Notched Impact Strength ISO 179 (23°C) [kJ/m²]	Dimensional Stability Temperature Under Load 0.45 MPa, Unannealed ISO 75-2/B [°C]	Vicat Softening Temperature ISO 306/B50 [°C]	Flammability acc. UL 94	Outdoor Suitability acc. UL 746C	UL Yellow Card
L-1225Y	low viscosity	transparent	11	71	141	148	V-2 (0.40 mm, 0.75 mm, 1.5 mm, HB (1.9 mm, 3.0 mm, 6.0 mm))	f2	✓
L-1225L	ultra low viscosity	transparent	18	67	139	146	V-2 (0.40 mm, 0.75 mm, 1.5 mm, HB (1.9 mm, 3.0 mm, 6.0 mm))	f2	✓
L-1250Z 100	medium viscosity good weather resistance	transparent	8	77	142	149	V-2 (0.40 mm, 0.75 mm, 0.8 mm), HB (1.5 mm, 3.0 mm, 6.0 mm))	f1	✓
L-1225Z 100	low viscosity good weather resistance	transparent	12	71	141	148	V-2 (0.40 mm, 0.75 mm, 1.5 mm, HB (1.9 mm, 3.0 mm, 6.0 mm))	f1	✓
L-1225Z 100-M	ultra low viscosity good weather resistance	transparent	19	62	138	144	V-2 (0.40 mm, 0.75 mm, 1.5 mm, HB (1.9 mm, 3.0 mm, 6.0 mm))	f1	✓
L-1225ZL 100	ultra low viscosity good weather resistance	transparent	25	53	136	142	V-2 (0.40 mm) HB (2.1 mm)		

(f1) indicates that the material meets the UV, wet, and submerged requirements of UL 746C. The material is suitable for outdoor use in conditions involving UV radiation, wet conditions, and submerged conditions in accordance with UL 746C.

(f2) indicates that the material has only been partially tested for UV radiation, moisture or underwater conditions or has only partially passed these tests.

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