

# Makrolon® TP0530

## Preliminary Product Description\*

Standard grades

Polycarbonate (PC), For:

Property	Test Condition	Unit	Standard	Typical Value**
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### Rheological Properties

Melt volume-flow rate (MVR)	300 °C / 1.2 kg	cm <sup>3</sup> /10 min	ISO 1133	10
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### Mechanical properties (23 °C, 50 % r. F.)

Tensile modulus	1 mm/min	MPa	ISO 527-1,-2	3340
Yield stress	5 mm/min	MPa	ISO 527-1,-2	49
Yield strain	5 mm/min	%	ISO 527-1,-2	5
Stress at break	5 mm/min	MPa	ISO 527-1,-2	39
Strain at break	5 mm/min	%	ISO 527-1,-2	16
Flexural modulus	2 mm/min	MPa	ISO 178	3410
Flexural strength	2 mm/min	MPa	ISO 178	87
Charpy unnotched impact strength	23 °C	kJ/m <sup>2</sup>	ISO 179-1eU	180
Charpy notched impact strength	23 °C	kJ/m <sup>2</sup>	ISO 179-1eA	29
Puncture maximum force	23 °C	N	ISO 6603-2	3760
Puncture energy	23 °C	J	ISO 6603-2	26

### Thermal properties

Vicat softening temperature	50 N; 120 °C/h	°C	ISO 306	144
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### Disclaimer

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\*\* These values are typical values only. Unless explicitly agreed in written form, they do not constitute a binding material specification or warranted values. Values may be affected by the design of the mold/die, the processing conditions and coloring/pigmentation of the product. Unless specified to the contrary, the property values given have been established on standardized test specimens at room temperature.

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