

# KEPITAL® LX-30BK

low viscosity, laser markable grade

KEPITAL® LX-30BK is a laser markable grade (low viscosity) for general injection molding. Suitable for applications requiring laser marking.

## Rheological properties

|                                    |       |                 |
|------------------------------------|-------|-----------------|
| Moulding shrinkage range, parallel | 2.0 % | ISO 294-4, 2577 |
|------------------------------------|-------|-----------------|

## Typical mechanical properties

|                                      |                     |              |
|--------------------------------------|---------------------|--------------|
| Yield stress, 50mm/min               | 64 MPa              | ISO 527-1/-2 |
| Yield strain, 50mm/min               | 7.5 %               | ISO 527-1/-2 |
| Nominal strain at break              | 20 %                | ISO 527-1/-2 |
| Flexural Modulus                     | 2600 MPa            | ISO 178      |
| Flexural Strength                    | 88 MPa              | ISO 178      |
| Charpy notched impact strength, 23°C | 5 kJ/m <sup>2</sup> | ISO 179/1eA  |

## Thermal properties

|                               |        |                |
|-------------------------------|--------|----------------|
| Melting temperature, 10°C/min | 165 °C | ISO 11357-1/-3 |
|-------------------------------|--------|----------------|

## Electrical properties

|                   |          |             |
|-------------------|----------|-------------|
| Electric strength | 19 kV/mm | IEC 60243-1 |
|-------------------|----------|-------------|

## Other properties

|         |                        |          |
|---------|------------------------|----------|
| Density | 1410 kg/m <sup>3</sup> | ISO 1183 |
|---------|------------------------|----------|

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