

KEPITAL® SL-20

laser-marking grade

KEPITAL® SL-20 is a laser-marking grade for general injection molding. Suitable for part requiring various colors by using color M/B. Similar mechanical property compared to standard POM.

Rheological properties

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

Typical mechanical properties

| | | |
|--------------------------------------|---------------------|--------------|
| Yield stress, 50mm/min | 61 MPa | ISO 527-1/-2 |
| Nominal strain at break | 34 % | ISO 527-1/-2 |
| Flexural Modulus | 2450 MPa | ISO 178 |
| Flexural Strength | 82 MPa | ISO 178 |
| Charpy notched impact strength, 23°C | 7 kJ/m ² | 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 | 1400 kg/m ³ | ISO 1183 |
|---------|------------------------|----------|