

PROPERTY INFORMATION

KOLON INDUSTRIES INC

KOPA®

POLYAMIDE-66 RESIN

KN333HS

HEAT RESISTANCE GRADE

| PROPERTY | ASTM METHOD | UNIT | | | VALUE | | | |
|---|-------------|---------------------------|---------------------|-----|----------|--------|-------|---------|
| MISCELLANEOUS | | | | | | | | |
| SPECIFIC GRAVITY | D792 | | | | 1.14 | | | |
| WATER ABSORPTION | D570 | % | | | 1.3 | | | |
| MOLD SHRINKAGE | D955 | % | | | 1.1 | | | |
| THERMAL | | | | | | | | |
| MELTING POINT | D789 | °C | °F | 255 | 491 | | | |
| HEAT DISTORTION TEMPERATURE | D648 | | | | | | | |
| 4.6kg.f/cm ³ (0.46 Mpa) | | °C | °F | 235 | 455 | | | |
| 18.6kg.f/cm ³ (1.82 Mpa) | | °C | °F | 85 | 185 | | | |
| COEFFICIENT OF LINEAR THERMAL EXPANSION | D696 | 10 ⁻⁴ cm/cm/°C | | | 0.7 | | | |
| FLAMMABILITY | UL94 | | | | V-2 | | | |
| MECHANICAL | | | | | | | | |
| TENSILE STRENGTH | 73°F (23°C) | D638 | kgf/cm ² | Mpa | psi | 840 | 82 | 11,944 |
| TENSILE ELOGATION | 73°F (23°C) | D638 | % | | | 50 | | |
| FLEXURAL STRENGTH | 73°F (23°C) | D790 | kgf/cm ² | Mpa | psi | 1,200 | 118 | 17,064 |
| FLEXURAL MODULUS | 73°F (23°C) | D790 | kgf/cm ² | Mpa | psi | 29,000 | 2,844 | 412,370 |
| IZOD NOTCHED IMPACT STRENGTH | | D256 | kgcm/cm | J/m | ft.lb/in | 7.0 | 69 | 1.29 |
| HARDNESS ROCKWELL | R SCALE | D785 | g/cc | | | 120 | | |
| ELECTRICAL | | | | | | | | |
| ARC RESISTANCE | D495 | sec | | | 128 | | | |
| DIELECTRIC CONSTANT | D150 | 10 ⁶ Hz | | | 3.3 | | | |
| DIELECTRIC STRENGTH | D149 | KV/mm | | | 20 | | | |

The information provided on our present state of knowledge and is estimated by Kolon Industries Inc. The listed values should be used for referential purposed only. This information should not be used as guranteed specification limits.

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