

ECOLEN® HZ10K

Polypropylene Homopolymer
HELLENIC PETROLEUM S.A.

Message:

ECOLEN® HZ10K is a polypropylene homopolymer, featuring:
outstanding processability,
good mechanical properties.
Typical applications for this grade are:
film yarn for textiles and ropes
sheet for thermoforming
extrusion of monofilaments & nets.
ECOLEN® HZ10K is suitable for food contact.

| General Information | |
|---------------------|----------------------|
| Features | Barrier Resin |
| | Good Processability |
| | Homopolymer |
| Uses | Film |
| | Monofilaments |
| | Netting |
| | Rope |
| | Sheet |
| | Textile Applications |
| | Yarn |
| Forms | Pellets |
| Processing Method | Filament Extrusion |
| | Thermoforming |

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|-------------|
| Specific Gravity | 0.900 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 3.2 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 34.0 | MPa | ASTM D638 |
| Tensile Elongation (Yield) | 13 | % | ASTM D638 |
| Flexural Modulus | 1450 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 45 | J/m | ASTM D256 |

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