

ISPLEN® PC 270 BS

Polypropylene Copolymer

REPSOL

Message:

Polypropylene homopolymer compound, charge with 20% mineral fillers and medium melt flow rate.

ISPLEN® PC270 BS shows high stiffness and low warpage and shrinkage behaviour.

It gives good aesthetic properties and high gloss surface

APPLICATIONS

Aesthetic applications which requires good gloss surface.

Hygienic product.

Adhesive backed hook and loop fasteners.

Electrodomestical appliances.

| General Information | | | |
|---|------------------------------------|-------------------|--------------|
| Filler / Reinforcement | Mineral,20% Filler by Weight | | |
| Features | Good Surface Finish | | |
| | High Gloss | | |
| | High Stiffness | | |
| | Low Warpage | | |
| | Medium Flow | | |
| Uses | Appliance Components | | |
| | Electrical/Electronic Applications | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.04 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 12 | g/10 min | ISO 1133 |
| Molding Shrinkage ¹ | 0.90 to 1.0 | % | ISO 2577 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 1850 | MPa | ISO 527-2 |
| Tensile Stress (Break) | 19.0 | MPa | ISO 527-2 |
| Flexural Modulus | 1800 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (23°C) | 2.3 | kJ/m ² | ISO 179 |
| Charpy Unnotched Impact Strength | | | ISO 179 |
| -20°C | 28 | kJ/m ² | |
| 0°C | 31 | kJ/m ² | |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | | | |
| -- | 155 | °C | ISO 306/A120 |
| -- | 99.0 | °C | ISO 306/B120 |
| NOTE | | | |

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