

## Polypropylene CSP030N

**Description:**

CSP030N is a high molecular weight, low melt flow rate polypropylene impact copolymer with very high impact strength.

**Additivation:**

Heat Stabilization; Nucleating Agent

**Applications:**

Sewer & Sewage Pipes (DIN EN 1852), Wire and cables, Drainage Pipes, Fittings, Sheets and Rods

**Processes:**

Injection molding, Profile Extrusion, Blow Molding

**Typical Properties**

| Feature                                                          | Method     | Units             | Values |
|------------------------------------------------------------------|------------|-------------------|--------|
| Melt Flow Rate (230°C/2.16 kg)                                   | ISO 1133   | g/10 min          | 0.3    |
| Density                                                          | ISO 1183-1 | g/cm <sup>3</sup> | 0.905  |
| Flexural Modulus <sup>a</sup>                                    | ISO 178    | MPa               | 1300   |
| Tensile Strength at Yield <sup>a</sup>                           | ISO 527-1  | MPa               | 27.5   |
| Tensile Elongation at Yield <sup>a</sup>                         | ISO 527-1  | %                 | 11     |
| Notched Charpy Impact Strength at 23°C <sup>a</sup>              | ISO 179    | kJ/m <sup>2</sup> | 70     |
| Notched Charpy Impact Strength at 0°C <sup>a</sup>               | ISO 179    | kJ/m <sup>2</sup> | 10     |
| Notched Charpy Impact Strength at -20°C <sup>a</sup>             | ISO 179    | kJ/m <sup>2</sup> | 6      |
| Heat Deflection Temperature under Load at 0.455 MPa <sup>a</sup> | 75-1/75-2  | °C                | 89     |
| Vicat Softening Temperature at 10 N <sup>a</sup>                 | ISO 306    | °C                | 156    |
| OIT at 200°C                                                     | 11357-6    | min               | >60    |

a) Injection molded specimen according to ISO 294.

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**1. Storage:**

Recommended storage is a cool, dry place protected from direct sunlight. High temperatures and high atmospheric humidity during storage may have an impact on product performance.

**2. Disclaimer:**

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- o Current Safety Data Sheets are available from Braskem.
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