

# Technical Data Sheet

**Category: Polypropylene**

**Product name: EP440G**

**Description:** " EP440G" is a nucleated heterophasic copolymer especially developed for extrusion applications. " EP440G" exhibits high stiffness, very high impact properties at room and sub-zero temperatures, good dimensional stability and excellent creep and deforming resistance. The main applications of " EP440G" are thermoforming, corrugated board and extrusion blow molding.

**Processing Method:** Thermoforming Extrusion blow molding

**Features:** Very high impact resistance High stiffness Good dimensional stability Excellent creep and deforming resistance Heterophasic copolymer

**Typical Applications:** Crates Panels & Profiles Corrugated Sheet Conduit pipes and fittings for electrical distribution and cable protection Blow molded bottles and containers

## Characteristics:

| Property                         | Value | Unit               | (Test Method) |
|----------------------------------|-------|--------------------|---------------|
| <b>Typical Properties</b>        |       |                    |               |
| Melt Flow Rate(230°C, 2.16kg)    | 1.3   | g/10min            | ISO 1133      |
| Density                          | 0.9   | g/m <sup>3</sup>   | ISO 1183      |
| <b>Mechanical</b>                |       |                    |               |
| Tensile Modulus                  | 1450  | MPa                | ISO 527-1, -2 |
| Tensile Strength at Yield        | 27    | MPa                | ISO 527-1, -2 |
| Tensile Elongation at Break      | >50   | %                  | ISO 527-1, -2 |
| Tensile Elongation at yeild      | 8     | %                  | ISO 527-1, -2 |
| Charpy impact strength (Notch A) |       |                    | ISO 179       |
| 23°C                             | 40    | Kj/ m <sup>3</sup> |               |
| 0°C                              | 9     | Kj/ m <sup>3</sup> |               |
| <b>Optical</b>                   |       |                    |               |
| Gloss (60o )                     | 65    | ---                | DIN 67530     |

