

TECHNICAL DATA SHEET

E116

Polypropylene Homopolymer

Characteristics

E116 is a **Polypropylene Homopolymer**, produced by the latest generation **Spheripol Technology**. This homopolymer is primarily suitable for **Extrusion & Injection Molding process**. **E116** combines **easy processability with excellent Strength and Gloss**.

Application

- **General purpose Extrusion Coating**

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg & 230 ⁰ C)	ASTM D 1238	g/10 min	16
Density at 23°C	ASTM D 1505	g/cm ³	0.90
Tensile Strength at Yield	ASTM D 638 * (Type I - with Extensometer)	MPa	30
Tensile Elongation at Yield		%	8
Flexural Modulus	ASTM D 790	MPa	1200
Izod Impact Strength (Notch, 23°C)	ASTM D 256	J/m	25
Vicat Softening Point (10N)	ASTM D 1525	°C	154
Heat Deflection Temperature (0.46 N/m ²)	ASTM D 648	°C	96

Typical Processing Temperature

Barrel Temperature	°C	190 – 260
Die Temperature	°C	190 - 220

** Mechanical properties tested on Injection Molded Test Specimens (Type I)*

The above typical properties are not to be construed as Specifications and may change without any prior notice. The User will solely be responsible for any intended process / product usage and HPL does not guarantee or undertake any responsibility for any consequential damage or loss based on the information given above.