

**Moplen EP2967**  
**PP COPO**

LyondellBasell Industries

| Rheological properties | Value | Unit    | Test Standard |
|------------------------|-------|---------|---------------|
| <b>ISO Data</b>        |       |         |               |
| Melt Flow Index, MFI   | 0.85  | g/10min | ISO 1133      |
| MFI temperature        | 230   | °C      | -             |
| MFI load               | 2.16  | kg      | -             |

| Mechanical Properties                   | Value | Unit              | Test Standard |
|-----------------------------------------|-------|-------------------|---------------|
| <b>ISO Data</b>                         |       |                   |               |
| Yield stress                            | 26    | MPa               | ISO 527       |
| Yield strain                            | 14    | %                 | ISO 527       |
| Stress at Break                         | 31    | MPa               | ISO 527       |
| Strain at Break                         | >50   | %                 | ISO 527       |
| Notched Impact Strength (Charpy), +23°C | 70    | kJ/m <sup>2</sup> | ISO 179/1eA   |
| Flexural Modulus (23°C)                 | 1070  | MPa               | ISO 178       |

| Thermal Properties                        | Value | Unit | Test Standard |
|-------------------------------------------|-------|------|---------------|
| <b>ISO Data</b>                           |       |      |               |
| Temp. of deflection under load (0.45 MPa) | 83    | °C   | ISO 75-1/-2   |
| Vicat softening temperature A             | 152   | °C   | ISO 306       |

| Other Properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| <b>ISO Data</b>  |       |                   |               |
| Density          | 900   | kg/m <sup>3</sup> | ISO 1183      |

| Film Properties               | Value | Unit | Test Standard |
|-------------------------------|-------|------|---------------|
| <b>ASTM Data</b>              |       |      |               |
| Tensile Strength at Break, TD | 16    | MPa  | ASTM D 882    |
| Elongation at Yield, TD       | 63    | MPa  | ASTM D 882    |
| Thickness of specimen         | 830   | %    | ASTM D 882    |
| Type of extrusion             | blown | -    | -             |
| Thickness of specimen         | 0.05  | mm   | -             |

| Optical Properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| <b>ASTM Data</b>   |       |      |               |
| Gloss              | 17    | -    | ASTM D 2457   |
| Haze               | 48    | %    | ASTM D 1003   |

**Characteristics**
**Processing**

Blow Molding, Blown Film Extrusion

**Certifications**

Food approval

**Features**

Good Adhesion, Copolymer, Impact Copolymer

**Applications**

Packaging

**Disclaimer**
**Liability Exclusion**

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