

**Lupolen 3420J**  
 (PE-LD)

LyondellBasell Industries

| Rheological properties | Value | Unit    | Test Standard |
|------------------------|-------|---------|---------------|
| <b>ISO Data</b>        |       |         |               |
| Melt Flow Index, MFI   | 3     | g/10min | ISO 1133      |
| MFI temperature        | 190   | °C      | -             |
| MFI load               | 2.16  | kg      | -             |

| Mechanical Properties | Value | Unit | Test Standard |
|-----------------------|-------|------|---------------|
| <b>ISO Data</b>       |       |      |               |
| Tensile Modulus       | 480   | MPa  | ISO 527       |
| Yield stress          | 16    | MPa  | ISO 527       |

| Thermal Properties             | Value | Unit | Test Standard  |
|--------------------------------|-------|------|----------------|
| <b>ISO Data</b>                |       |      |                |
| Melting Temperature (10°C/min) | 119   | °C   | ISO 11357-1/-3 |
| Vicat softening temperature A  | 109   | °C   | ISO 306        |

| Other Properties | Value | Unit  | Test Standard |
|------------------|-------|-------|---------------|
| <b>ISO Data</b>  |       |       |               |
| Density          | 934   | kg/m³ | ISO 1183      |

| Film Properties                 | Value | Unit | Test Standard |
|---------------------------------|-------|------|---------------|
| <b>ISO Data</b>                 |       |      |               |
| Maximum strain, parallel        | 500   | %    | ISO 527-3     |
| Maximum strain, normal          | 650   | %    | ISO 527-3     |
| Dynamic Coefficient of Friction | 0.65  | -    | ISO 8295      |
| Type of extrusion               | blown | -    | -             |
| Thickness of specimen           | 0.05  | mm   | -             |

| Optical Properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| <b>ASTM Data</b>   |       |      |               |
| Gloss              | 85    | -    | ASTM D 2457   |
| Haze               | 10    | %    | ASTM D 1003   |

| Processing Recommendation Extrusion | Value     | Unit | Test Standard |
|-------------------------------------|-----------|------|---------------|
| Type of extrusion                   | blown     | -    | -             |
| Melt temperature                    | 150 - 190 | °C   | -             |

**Characteristics**
**Processing**

Film Extrusion, Blown Film Extrusion

**Certifications**

Food approval

**Delivery form**

Pellets

**Applications**

Packaging

**Features**

High Gloss

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