

## Lupolen 5261Z HI (PE-HD)

LyondellBasell Industries

| Rheological properties | Value | Unit    | Test Standard |
|------------------------|-------|---------|---------------|
| <b>ISO Data</b>        |       |         |               |
| Melt Flow Index, MFI   | 2     | g/10min | ISO 1133      |
| MFI temperature        | 190   | °C      | -             |
| MFI load               | 21.6  | kg      | -             |

| Mechanical Properties     | Value | Unit | Test Standard |
|---------------------------|-------|------|---------------|
| <b>ISO Data</b>           |       |      |               |
| Tensile Modulus           | 1200  | MPa  | ISO 527       |
| Yield stress              | 28    | MPa  | ISO 527       |
| Yield strain              | 8     | %    | ISO 527       |
| Ball Indentation Hardness | 52    | MPa  | ISO 2039-1    |

| Thermal Properties                        | Value | Unit | Test Standard |
|-------------------------------------------|-------|------|---------------|
| <b>ISO Data</b>                           |       |      |               |
| Temp. of deflection under load (1.80 MPa) | 44    | °C   | ISO 75-1/-2   |
| Temp. of deflection under load (0.45 MPa) | 75    | °C   | ISO 75-1/-2   |
| Vicat softening temperature A             | 133   | °C   | ISO 306       |

| Other Properties    | Value | Unit              | Test Standard |
|---------------------|-------|-------------------|---------------|
| <b>ISO Data</b>     |       |                   |               |
| Density             | 954   | kg/m <sup>3</sup> | ISO 1183      |
| Intrinsic Viscosity | 5     | dl/g              | -             |
| Bulk density        | 460   | kg/m <sup>3</sup> | -             |

| Processing Recommendation Extrusion | Value     | Unit | Test Standard |
|-------------------------------------|-----------|------|---------------|
| Melt temperature                    | 190 - 220 | °C   | -             |

### Characteristics

#### Processing

Other Extrusion, Blow Molding

#### Delivery form

Powder

#### Special Characteristics

Impact modified

#### Chemical Resistance

General Chemical Resistance, Environmental Stress Crack Resistance, Oxidation Resistance

#### Applications

Packaging

### Disclaimer

#### Liability Exclusion

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