

## Lupolen 4261 AG UV 60005 (PE-HD)

LyondellBasell Industries

| Rheological properties | Value | Unit    | Test Standard |
|------------------------|-------|---------|---------------|
| <b>ISO Data</b>        |       |         |               |
| Melt flow index, MFI   | 0.35  | g/10min | ISO 1133      |
| MFI temperature        | 190   | °C      | -             |
| MFI load               | 5     | kg      | -             |

| Mechanical Properties     | Value | Unit | Test Standard |
|---------------------------|-------|------|---------------|
| <b>ISO Data</b>           |       |      |               |
| Tensile Modulus           | 850   | MPa  | ISO 527       |
| Yield stress              | 24    | MPa  | ISO 527       |
| Yield strain              | 10    | %    | ISO 527       |
| Ball indentation hardness | 40    | MPa  | ISO 2039-1    |

| Thermal Properties                        | Value | Unit | Test Standard  |
|---|-------|------|----------------|
| <b>ISO Data</b>                           |       |      |                |
| Melting temperature (10°C/min)            | 130   | °C   | ISO 11357-1/-3 |
| Temp. of deflection under load (1.80 MPa) | 42    | °C   | ISO 75-1/-2    |
| Temp. of deflection under load (0.45 MPa) | 70    | °C   | ISO 75-1/-2    |
| Vicat softening temperature A             | 125   | °C   | ISO 306        |
| Vicat softening temperature, 50°C/h 50N   | 75    | °C   | ISO 306        |

| Other Properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| <b>ISO Data</b>  |       |                   |               |
| Density          | 945   | kg/m <sup>3</sup> | ISO 1183      |
| Bulk density     | 500   | kg/m <sup>3</sup> | -             |

| Characteristics                |  |
|--------------------------------|--|
| <b>Processing</b>              | <b>Features</b>  |
| Blow Molding                   | Creep Resistance   |
| <b>Delivery form</b>           | <b>Chemical Resistance</b>   |
| Pellets                        | General Chemical Resistance, Environmental Stress Crack Resistance, Oil Resistance, Oxidation Resistance |
| <b>Special Characteristics</b> | <b>Applications</b>  |
| Impact modified, UV stabilized | Packaging  |

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