

## CirculenRecover HD45U06 Natural (PE-HD)

LyondellBasell Industries

CirculenRecover HD45U06 Natural contains at least 40% of recycled material.

| Rheological properties | Value | Unit    | Test Standard |
|------------------------|-------|---------|---------------|
| <b>ISO Data</b>        |       |         |               |
| Melt Flow Index, MFI   | 6     | 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       | 850   | MPa  | ISO 527       |
| Yield stress          | 24    | MPa  | ISO 527       |

| Thermal Properties             | Value | Unit | Test Standard  |
|--------------------------------|-------|------|----------------|
| <b>ISO Data</b>                |       |      |                |
| Melting Temperature (10°C/min) | 131   | °C   | ISO 11357-1/-3 |
| Vicat softening temperature A  | 125   | °C   | ISO 306        |

| Other Properties | Value | Unit  | Test Standard |
|------------------|-------|-------|---------------|
| <b>ISO Data</b>  |       |       |               |
| Density          | 945   | kg/m³ | ISO 1183      |

| Processing Recommendation Extrusion | Value     | Unit | Test Standard |
|-------------------------------------|-----------|------|---------------|
| Melt temperature                    | 180 - 240 | °C   | -             |

### Characteristics

#### Processing

Blow Molding

#### Delivery form

Pellets, Natural Color

#### Special Characteristics

Impact modified

#### Chemical Resistance

Environmental Stress Crack Resistance, Oxidation Resistance

#### Certifications

Recycled Resin Content

#### Applications

Packaging