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## Polyethylene Circular Compound rPE 57525

Provisional Technical data sheet  
High Density Polyethylene INJECTION MOULDING  
Produced in Europe

### Description

Circular compound rPE 57525 is a high density polyethylene (HDPE), containing 50 wt.% of recycled HDPE originating from post-consumer waste collected in Western European countries.

rPE 57525 has been designed for non-food caps and closures applications and is also suited for injection molding of technical parts, bins, boxes, crates, pallets... It offers easy processing with good balance of stiffness and stress cracking resistance.

rPE 57525 is a pellet grade and contains antioxidants.

### Characteristics

| Property                       | Method     | Unit              | Typical value (*) |
|--------------------------------|------------|-------------------|-------------------|
| Density                        | ISO 1183   | g/cm <sup>3</sup> | 0.957             |
| Melt Flow Rate (190°C/2.16 kg) | ISO 1133/D | g/10 min          | 2.5               |
| Tensile modulus                | ISO 527    | MPa               | 1200              |
| Melting temperature            | ISO 11357  | °C                | 130               |
| PCR content                    | -          | %                 | 50                |
| Color                          | -          | -                 | Dark Grey         |

(\*) Data not intended for specification purposes