

Technical Data Sheet

PCR HDPE Regranulate

Product Code: 014001

Description

PCR HDPE 014001 is a circular HDPE grade supplied in pellet form for blow moulding and extrusion applications.

PCR HDPE 014001 contains at least 99% of post-consumer material from pre-sorted plastic packaging waste. Filtration level is 120 µm.

This product is not intended for highly regulated applications including food contact, potable water contact, medical and pharmaceutical applications.

| Physical Properties | Value | Units | Test Method |
|----------------------|-----------|-------------------|-----------------|
| Density | 0,94-0,96 | g/cm ³ | ISO 1183 |
| MFI (190°C/ 2,16 kg) | 0,2-0,5 | g/10 min | ISO 1133 |
| MFI (190°C/ 5 kg) | 0,8-1,1 | g/10 min | ISO 1133 |
| Moisture Content | < 0,1 | wt% | Internal method |
| Ash Content | < 2 | wt% | Internal method |
| PP Content | < 2 | wt% | Internal method |
| Diameter Pellets | 4,5-5 | mm | Internal method |
| Thickness Pellets | 1-3 | mm | Internal method |

| Mechanical (at 23°C) | Value | Units | Test method |
|------------------------|-------|-------------------|-------------|
| Tensile Modulus | 650 | MPa | ISO 527 |
| Charpy impact strength | 31-33 | kJ/m ² | ISO 179 |
| Yield stress | 21 | MPa | ISO 527 |
| Elongation at yield | 0,15 | % | ISO 527 |
| Flexural modulus | 700 | MPa | ISO 178 |

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| Additional Information | |
|------------------------|----------------|
| Source of Polymer | PCR |
| Odor | Non-deodorized |
| Color | White |

| Processing |
|--|
| Recommended melt temperature range for blow moulding from 180°C-210°C |
| Disclaimer |
| All properties are current, typical data of stated product. All statements, data and information given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. |