

rHDPE-001

Product data sheet:
**High Density Polyethylene
Bottle Grade Flake**



Product life cycle:

rHDPE-001 is a recycled High Density Polyethylene Bottle Grade sourced from high quality primary manufacturing, which produces a consistent multi-application polymer.

rHDPE-001 is typically sourced from the UK packaging and manufacturing sector. rHDPE-001 is segregated, hot washed, processed and packaged at our UK facility.

rHDPE-001 has a typical chip size of approximately 12mm and is transported in 1 tonne bulk bags. rHDPE Bottle Grade is sold as a “jazz” or mixed colour grade.

Product performance characteristics

Product type: rHDPE-001 High Density Polyethylene Bottle Grade Flake

MFR 190°C		
2.16 kg	ISO 1133	0.33 g/10min
Tensile strength (@ 23°C)		
Modulus	ISO 527	678 ± 108 MPa
Strength		25.9 ± 3.5 MPa
Elongation		15 ± 190 %
Flexural (@ 23°C)		
Modulus	ISO 178	1282 ± 61.25 MPa
Strength		26.9 ± 1.47 MPa
Bulk Density	EN 15344	0.029 ± 0.012 g/cm ³

*All test samples elongated to the maximum extension capability of the Instron testing machine.

Tested in accordance with non-packaging protocols BS EN 15344:2007 PE

The values and information given are only intended to act as guide information. Product performance can not be guaranteed or any warranty offered. It is the purchaser's responsibility to ensure the suitability of the material for the end application.

Indigo Environmental Limited, Widnes Business Park, Waterside Lane, Widnes, Cheshire WA8 8UB

www.indigoenv.com Email: info@indigoenv.com Tel.: **0330 124 4848**