

rHDPE-003

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



Product life cycle:

rHDPE-003 is a recycled High Density Polyethylene sourced from high quality primary manufacturing, which produces a consistent multi-application polymer.

rHDPE-003 is typically sourced from the UK packaging and manufacturing sector. rHDPE-003 is segregated, hot washed, processed and packaged at our UK facility.

rHDPE-003 has a typical chip size of approximately 13mm and is transported in 1 tonne bulk bags. rHDPE is sold as a “jazz” or mixed colour grade.

Product performance characteristics

Product type: rHDPE-003 High Density Polyethylene Flake

MFR 190°C		
2.16 kg	ISO 1133	0.07 g/10min
5 kg		0.29 g/10min
Tensile strength (@ 23°C)		
Modulus	ISO 527	590 ± 108 MPa
Strength		19.8 ± 3.5 MPa
Elongation		27 ± 190 %
Flexural (@ 23°C)		
Modulus	ISO 178	1085 ± 61.25 MPa
Strength		23.9 ± 1.47 MPa
Bulk Density	EN 15344	0.036 ± 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.

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