

037 rPE

Product data sheet: High Density Polyethylene Flake



Product life cycle:

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

037 rPE is typically sourced from the UK manufacturing sector. 037 rPE is segregated, hot washed, processed and packaged at our UK facility.

037 rPE has a typical chip size of approximately 12mm and is transported in 1 tonne bulk bags. 037 rPE is sold as a “jazz” or mixed colour grade.

Product performance characteristics

Product type: 037 rPE High Density Polyethylene Flake

MFR 190°C		
2.16 kg	ISO 1133	0.08 g/10min
5 kg		0.14 g/10min
Tensile strength (@ 23°C)		
Modulus	ISO 527	817 ± 35 MPa
Strength		21 ± 1 MPa
Elongation		940 ± 240 %
Flexural (@ 23°C)		
Modulus	ISO 178	720 ± 105 MPa
Strength		18 ± 1 MPa
Bulk Density	ISO 15344*	0.31 g/cm ³

* Using plunger method

Tested in accordance with non-packaging protocols BS EN 15348:2007 PET

The values and information given are only intended to act as guide information. Product performance cannot 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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