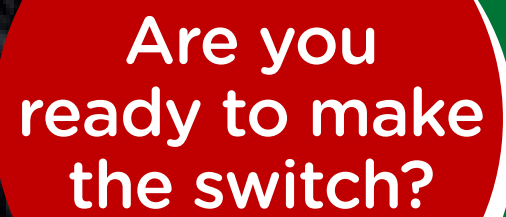


environment matters

# Plastic Black HIPS 4113

Technical Data Sheet

A red circular callout with a white border, containing the text 'Are you ready to make the switch?'. The background of the entire page is a close-up photograph of black plastic granules, which are partially obscured by a large green curved shape that frames the text on the left and top.

# Plastic | Black HIPS 4113

|                            |   |
|----------------------------|---|
| <b>Material</b>            | <ul style="list-style-type: none"> <li>Recycled Black PS</li> <li>Injection/Extrusion Grade</li> </ul>  |
| <b>General Information</b> | <ul style="list-style-type: none"> <li>High Impact Polystyrene</li> <li>95% Recycled Content</li> </ul>   |
| <b>Attributes</b>          | <ul style="list-style-type: none"> <li>Excellent dimensional stability</li> <li>Good impact resistance</li> <li>Tough &amp; flexible</li> <li>Even &amp; consistent appearance</li> </ul> |
| <b>Packaging</b>           | <ul style="list-style-type: none"> <li>1 tonne bulk bags or 25Kg sacks</li> </ul>   |



## Mechanical Properties

| Mechanical Property          | Test Method           | Unit Measurement  | Spec |      |
|------------------------------|-----------------------|-------------------|------|------|
|                              |                       |                   | Min  | Max  |
| Density                      | ISO 1183-1            | g/cm <sup>3</sup> | 1.05 | 1.08 |
| Melt Flow                    | ISO 1133 - 200°C, 5Kg | g/10min           | 5.0  | 9.0  |
| Moisture                     | Enva (MS-70 Prog 2)   | %                 | -    | 0.3  |
| Izod Notched Impact Strength | ISO 180 / A           | KJ/m <sup>2</sup> | >6.5 |      |
| Elongation At Break          | ISO 527-2             | %                 | >22  |      |
| Bromine level                | XRF-ppm               | ppm               | -    | 1000 |

Please note that the above information relates to average values obtained from various batches. Because of the nature of the source materials these values may vary. It is the customer’s responsibility to optimise processing conditions and assure suitability for use in their own products. It is also advised that the material is pre dried prior to use.

Recycled plastic - a sustainable and cost effective alternative.

Contact us for further information on our range of plastic compounds:



**T. 01775 670226**  
[plastics@enva.com](mailto:plastics@enva.com)

**Enva Plastics Limited**  
 Tunnel Bank Road, Bourne, Lincs, PE10 0DJ