



## TECHNICAL DATA SHEET

### HIPS 2 MIXED-COLOUR REGRIND

Post-consumer recycled HIPS/PS regrind recovered from the rejected fraction of the white colour-sorting stage



#### PRODUCT INFORMATION

|                  |                                                          |
|------------------|----------------------------------------------------------|
| Material         | Recycled HIPS/PS regrind                                 |
| Origin           | Rejected fraction from the white colour-sorting stage    |
| Form             | Regrind / flake                                          |
| Particle size    | 12-14 mm                                                 |
| Visual colour    | Mixed-colour, predominantly white / light grey / natural |
| Recycled content | 100% recycled material                                   |
| Sample weight    | 3,000 g                                                  |

| PROPERTY  | TEST METHOD | TEST CONDITIONS | UNIT     | VALUE     |
|-----------|-------------|-----------------|----------|-----------|
| MFI / MFR | ISO 1133    | 200 °C / 5.0 kg | g/10 min | 4.5 – 6.5 |

Note: Izod impact and tensile properties are not currently available.

#### MATERIAL CONSTITUTION AND COLOUR DISTRIBUTION

| MATERIAL  | CONTENT (%) | COLOUR                            | CONTENT (%) |
|-----------|-------------|-----------------------------------|-------------|
| PS        | 75.18%      | White                             | 49.60%      |
| ABS       | 21.96%      | Light grey                        | 25.46%      |
| PP        | 1.72%       | Clear / natural                   | 15.18%      |
| Remainder | 1.14%       | Yellow                            | 6.24%       |
|           |             | Others (Black, blue, orange, red) | 3.52%       |

#### PRODUCT DESCRIPTION

HIPS 2 Mixed-Colour Regrind is a 100% recycled HIPS/PS fraction recovered from the rejected output of the white colour-sorting stage during the processing of end-of-life refrigerators and freezers. The material is supplied as 12-14 mm regrind and presents a mixed-colour appearance together with a broader PS/ABS composition than HIPS 1 White Regrind.

#### SUPPLY FORMAT

| ITEM         | DESCRIPTION                                                |
|--------------|------------------------------------------------------------|
| Product form | Regrind / flake, nominal particle size 12-14 mm            |
| Packaging    | Big bags; final net weight subject to commercial agreement |