

## WHITE PS (HIPS)

**Material:** High Impact Polystyrene, colour white –Product Grade

**Type:** White PS Re grind; Post consumer material, from inner liners refrigerators' recycling.

| Polymers composition | wt.%   |
|----------------------|--------|
| PS White             | 98+-1% |
| Other Colour PS/ABS  | 1+-1%  |
| Others               | < 0.5% |

### Processing:

**Several recycling stages: Multiple Stage Sensor sorting, dry /Wet process.**

Fridge Recycling (WEELABEX certified) + Colour Sorting + Wet Density Separation or NIR/VIS Sensor sorting + Grinding 12mm + Storage in high Big Bags

### Delivery Form:

Big bags (~1 ton)

**End of Waste Certified – Export option as product**

### Characteristics:

Grain size 12 mm : Dry : Average MFI 5-6

### Impurities

Equipment: Hoffman Laborofen  
Measurement procedure: 650°C, 15 min

| Comment  | Material no. | Initial amount [g] | Impurities [%] |
|----------|--------------|--------------------|----------------|
| PS Input | 20240678-2   | 4,33               | 0,01           |

### MFR/MVR measurement

Equipment: Dynisco D4003HV  
Measurement procedure: 200°C, 5kg  
Results:

| Comment           | Material no. | MFR [g/10 min] | MVR [cm <sup>3</sup> /10 min] |
|-------------------|--------------|----------------|-------------------------------|
| PS Input material | 20240678-2   | 4,81           | 5,34                          |

### Ash test

#### Fillers

Equipment: Hoffman Laborofen  
Measurement procedure: 650°C, 15 min  
Results:

| Comment  | Material no. | Initial amount [g] | Filler [%] |
|----------|--------------|--------------------|------------|
| PS Input | 20240678-2   | 4,33               | 3,50       |



