

WHITE PS (HIPS)

Material: High Impact Polystyrene, colour white –Product Grade

Type: White PS Regrind; 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 ³ /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



