Recy HDPE-PP

Product Description
Recy HDPE-PP originates from 100% recycled Belgian household residual waste from the PMD bag and is not additivated.

Application
Recy HDPE-PP is used for injection molding

It is not intended for use in food contact, water contact, pharmaceutical and medical applications.

General	
Form	Granules
Size	< 5mm
Filtration	200 µ
Color	Grey
Packaging	Big Bags

Due to the nature of recyclates, some variation in product properties can be observed between batches.

Physical		Nominal value	S.I. unit	Test Method
Density		942 - 963	kg/m³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)		5,02 – 9,07	g/10 min	ISO 1133
Residual moisture (30 min/100°C)		0,09 – 0,13	%	
Mechanical		**Nominal value**	**S.I. unit**	**Test Method**
Tensile Modulus		1042 - 1207	MPa	ISO 527-1
Tensile Strength				ISO 527-2
	Yield	22,4 – 24,3	MPa	
Tensile Elongation				ISO 527-2
	Break	7 - 8	%	
Flexural Modulus		1070 - 1233	MPa	ISO 178
Thermal		**Nominal value**	**S.I. unit**	**Test Method**
Melting Point				ISO 11357-1
	PE	129	°C	
	PP	161	°C	
Impact		**Nominal value**	**S.I. unit**	**Test Method**
Impact Strength (Charpy Test)				ISO 179
	23°C	4,5 – 8,4	kJ/m²	
	-15°C	1,3 – 2,3	kJ/m²	
Chemical		**Nominal value**	**S.I. unit**	**Test Method**
Polymer Composition				
	PE	25 – 75	%	
	PP	75 – 25	%	

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