Recy MPO 1200µ

Product Description
Recy MPO 1200µ originates from 100% recycled belgian household waste from the P+MD bag and is not additivated.

Application
Recy MPO 1200µ is used for extrusion / injection molding.

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

General	
Form	Granules
Size	
Filtration	1200µ
Color	Grey
Packaging	Preferably delivered in 25 ton bulk. Big bags are possible.
	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		940	kg/m³	ISO 1183
Melt Mass-Flow Rate (MFR)				ISO 1133
	190°C/5kg	2,8 – 3,4	g/10 min	
	230°C/5kg	10,5 – 13,3	g/10 min	
	230°C/2,16kg	3,0 – 3,2	g/10 min	
Residual moisture (30 min/100°C)		0,10 – 0,18	%	
Mechanical		**Nominal value**	**S.I. unit**	**Test Method**
Tensile Modulus		584 - 708	MPa	ISO 527-1
Tensile Strength				ISO 527-2
	Yield	15,1 – 16,4	MPa	
Tensile Elongation				ISO 527-2
	Yield	7,5 – 11,8	%	
	Break	19 - 27		
Thermal		**Nominal value**	**S.I. unit**	**Test Method**
Melting Point				ISO 11357-1
	PE	123,9 – 125,3	°C	
	PP	160,8 – 163,4	°C	
Vicat Softening Temperature				ISO 306
	10N – 50°C/h	107,5 – 110,5	°C	
	50N – 50°C/h	55,7 – 58,3	°C	
Impact		**Nominal value**	**S.I. unit**	**Test Method**
Impact Strength Notched (Charpy Test)				ISO 179
	23°C	7 – 12,5	kJ/m²	
	-15°C	-	kJ/m²	
Chemical		**Nominal value**	**S.I. unit**	**Test Method**
Polymer Composition				
	PE	60 – 80	%	
	PP	20 – 40	%	
Ash Content		3,2 – 3,5	%	ISO 3451

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