

# TECHNICAL DATA SHEET



## RP01 POLYAL LDPE

Recycled and decontaminated LDPE with Fych Decontamination system.

### CHARACTERISTICS:

<b>Quality, final applications:</b>	Blown Film, cast film, injection molding
<b>CAS:</b>	9002-88-4
<b>Filter:</b>	180 microns
<b>Origin:</b>	Post-consumer
<b>Form:</b>	Pellets

### COLOR



Greenish

### TECHNICAL DATA:

Properties	Test Method	Units	Value
Composition	DSC	%	LDPE: 97-98 LLDPE: 1-1.5 PP: 1-1.5
Density	UNE-EN ISO 1183-1:2019	g/cm <sup>3</sup>	0,884
Melt Flow Index	ISO 1133 (190oC, 2,16 kg)	g/10 min	2-3
Volatile content	UNE-EN 12099:1997	%	< 0.2%
Ash content	UNE-EN ISO 3451-1:2020	%	< 0.05%
Film gels and specks	Recyclclass Recyclability Evaluation Protocol for PE films: 2024	Gels > 0,2 mm Specks Fisheyes Holes	43 15 0 0
Global migration	Simulants A and B according to UNE-EN 1186-2 and 3 (according to Regulation UE 10/2011)		PASS*

### \*GLOBAL MIGRATION DATA:

(input before decontamination and output after decontamination)

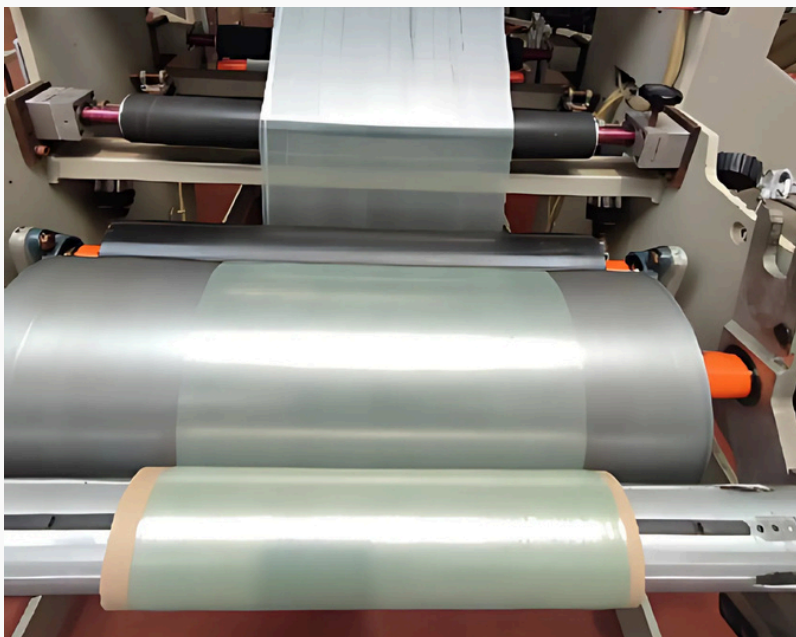
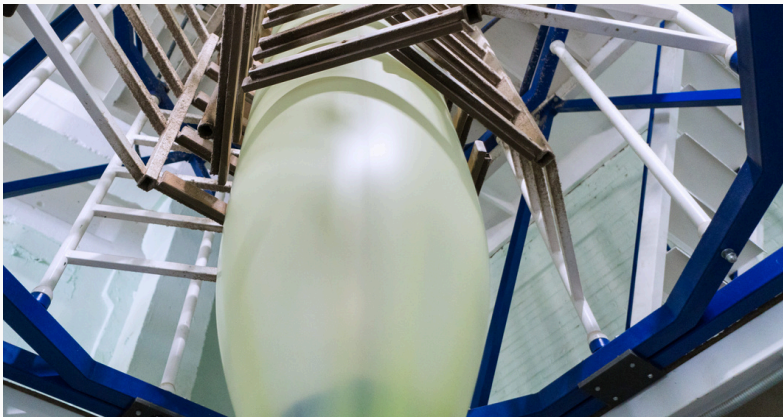
Simulant	Conditions	Overall migration input (mg/dm <sup>2</sup> )	Overall migration output (mg/dm <sup>2</sup> )
<b>A</b>	OM2	2.8 ± 0.4	2.4 ± 0.4
<b>A</b>	OM5	4.2 ± 0.6	2 ± 0.3
<b>B</b>	OM2	9 ± 1.4	4.5 ± 0.7
<b>B</b>	OM5	8 ± 1.2	5.9 ± 0.9

Abbreviation	Food simulant	Description
A	Ethanol 10% (v/v)	Use for hydrophilic food
B	Acetic Acid 3%(v/v)	Use for hydrophilic food with a pH lower than 4,5

Test number	Test conditions	Description
OM2	10 days at 40°C	Any long-term storage at room temperature or below, including when packaged under hot-fill conditions and/or heating up to a temperature T where $70^{\circ}\text{C} \leq T \leq 100^{\circ}\text{C}$ for a maximum of $t = 120/2^{((T-70)/10)}$ minutes. It represents the most common storage conditions for food packaging.
OM5	2h at 100°C at reflux or alternatively 1h at 121°C	High-temperature applications up to 121°C. It represents the most unfavorable storage conditions for polyolefins.

## FINAL APPLICATIONS:

Blown film.



### Disclaimer:

All the information about chemical and physical properties consists of values measured in tests should only be regarded as being advisory and does not absolve the customers from doing their own full-scale tests to determine the suitability of the material for the intended applications. Customers assume all risk and liability arising from your use of the information and/or use or handling of any product. Figures are indicative and can vary depending on the specific parameters selected and the production site.