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## PRODUCT TECHNICAL DATA SHEET

<b>Product</b>	LD3
<b>Description</b>	rLDPE - Recycled Low-Density Polyethylene, translucent as film
<b>Shape</b>	Granules, lense-shaped
<b>Source</b>	Post-consumer film

### R300T

Characteristics	Value	Unit	Test standart
<b>Physical properties</b>			
Density	0.930 ± 0.005	g/cm <sup>3</sup>	EN ISO 1183
Bulk density	0.545 ± 0.010	g/ml	EN ISO 60
Moisture Content (105° C)	0.080± 0.010	%	Moisture Analyzer
Ash content (800° C)	<2.000	%	TGA
Purity of PE	>99.000	%	EN ISO 11357 (DSC)
<b>Rheological properties</b>			
MFR Melt flow Index (190° C/2,16 kg)	avg. 0.600	g/10min	EN ISO 1133
MFR Melt flow Index (190° C/5 kg)	avg. 2.400	g/10min	EN ISO 1133
<b>Mechanical properties</b>			
Tensile strength	avg. 22	Mpa	EN ISO 527-3
Tensile strain at break (MD)	avg. 220	%	EN ISO 527-3
<b>Other</b>			
Melt temperature	105-124 °C		EN ISO 11357 (DSC)
Filtration	90-110 µm		
<b>Typical application</b>	<b>Industrial Packaging, Blends, Carrier Bags</b>		
Additives	no		

The materials that we produce are subject to a constant quality control and are processed at an extremely high technological level by our experts. Major equipment manufacturers for our plant in Bulgaria are Tomra, Stadler and Erema. Operations are also certified under **ISO 9001** and **ISO 14001**.

#### Disclaimer:

This product is not intended for use in food, medical and pharmaceutical applications. The values of the product specifications are based on the standard deviations of the test results and do not release the users of our materials from their own tests and attempts to guarantee the necessary properties of the final product. The present product specifications cannot be interpreted as legally binding confirmation for a single parameter herein or to the suitability for a specific application. Pre-heating the granules at 70-80° C for 2 hours or the addition of moisture absorber is recommended before processing.