



TECHNICAL DATASHEET

TDS Form Rev00
Issued date: 06/09/2023

PE PCR 100% - NATURAL 2A

POLYETHYLENE MIX RECYCLATE

I. PRODUCT DESCRIPTION

PE PCR 100% - NATURAL 2A is polyethylene mix recyclate.

This recyclate is manufactured from **100% of post-consumer plastic waste**.

The film/bag made from **PE PCR 100% - NATURAL 2A** will have high quality, very good tensile, and toughness properties.

Additional, this material is certified under **Eucertplast** and **Global Recycled standard (GRS)**.

Therefore, It is suitable to produce the sustainability product which need to get the certification schemes such as **Blue Angel, Recyclclass, Global Recycled standard (GRS), Recycled Claim standard (RCS)**,....



II. TYPICAL PROPERTY VALUES

No.	PROPERTIES		Unit	Value	TEST METHOD
1	Density		g/cm ³	0.90-1.3	ISO 1183
2	Melt Flow Rate (MFR) at 190°C and 2.16 kg		g/10min	≤ 0.5	ISO 1133
3	Moisture		%	≤ 0.3	120°C/ 10min
4	Melting temperature (DSC)		°C	125	ISO 11357
5	Tensile at break ⁽¹⁾	MD	Mpa	≥ 30	ISO 527 1-3
		TD	Mpa	≥ 25	ISO 527 1-3
6	Elongation at break ⁽¹⁾	MD	%	≥ 250	ISO 527 1-3
		TD	%	≥ 400	ISO 527 1-3
7	Tear resistance ⁽²⁾	MD	mN	≥ 75	ISO 6383-2
		TD	mN	≥ 300	ISO 6383-2
8	Dartdrop (F=50%)		g	≥ 60	ASTM D1709

(¹) Settings Tensiletest MD: 500 mm/min, jaw separation 100 mm, specimen width 15 mm.

Settings Tensiletest TD: 500 mm/min, jaw separation 50 mm, specimen width 15 mm.

(²) Setting Elmendorf: 800grams, layer MD:2; layer TD: 1.

III. CAPACITY & PACKAGING

Production Capacity: **3,000 tons/year**

Packaging:

The product is packaged in PP bags of 25kg/bag or Jumbo bags of 700kg/bag or according to customer requirements.



IV. STORAGE AND HANDLING

PE PCR 100% - NATURAL 2A Recyclates should be stored in such a way that it prevents exposure to direct sunlight and/or heat, as this may lead to quality deterioration.

The storage location should also be dry, dust free and the ambient temperature should not exceed 50 °C.

Not complying with these precautionary measures can lead to a degradation of the product which can result in colour changes, bad smell and inadequate product performance.

It is also advisable to process polyethylene resins (in pelletised) within **12 months after delivery**, this because also excessive aging of polyethylene can lead to a deterioration in quality.

PE PCR 100% - NATURAL 2A is produced under the **Eucertplast certification scheme**, so this recycle complies to use as raw material to produced the plastic products that need to recognised the **Blue Angel or Recyclclass certification schemes** in next process.

PE PCR 100% - NATURAL 2A is aslo produced under the **Global Recycled Standard (GRS) scheme**, so this recycle suitable to use as raw material to produce the plastic products that need to get the **Global Recycled Standard (GRS) or Recycled Claim Standard (RCS) scheme**.

VI. LEGISLATION COMPLIANCE

This recycles are controlled from the input plastic waste, manufacturing process to ensure that they comply with the below regulations:

1. Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

This product is not manufactured or formulated with any of the Substances of Very High Concern (SVHC) as per the candidate list that was current as of the effective date of this regulatory datasheet that would require reporting under this regulation. Current information can be found at the ECHA website.

<https://echa.europa.eu/candidate-list-table>

2. Heavy Metal - EU Directive 94/62/EC- on packaging and packaging waste

No heavy metals (i.e., Lead, mercury, cadmium, and chromium) are purposely added to this product in quantities that would violate governmental guidelines.

The summation of lead, cadmium, mercury, and hexavalent chromium in this product is less than 100 ppm.

For the other purpose, please feel free contact with our customer service follow the information in Section VIII

VII. CONTROL

TDS No.:	LT-TDS.009	Effective Date:	22/07/24
Revision No.:	00	Issued by:	QC Department

VIII. Company Information

In case, you need further information and any supports relating to the technical datasheet
Please feel free contact with our customer service as below contact.

Company:	LAM TRAN PLASTIC RECYCLING JSC		
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Disclaimer

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication, however, we do not assume any liability whatsoever for the accuracy and completeness of such information.

LAM TRAN PLASTIC RECYCLING JSC makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

No liability can be accepted in respect of the use of LAM TRAN's products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.

THANKS FOR YOUR BUSINESS!