



**TECPOLY**  
Chemicals and Specialties

Your partner of

- Polymers
- Functional & Color Masterbatches
- PET sheet





## Tecpoly: *how and when we started*

2005

Tecpoly was created by a team of polyester industry experts, joining their knowledge, motivation and efforts.

Activity: PET for Preforms and Extrusion, in Brazil

2020

Tecpoly is a fast growing, diversified, deeply integrated company in the polyester industry, including Engineering Plastics and Specialties

Tecpoly serves more than 10 countries in Latin America, with a yearly revenue of USD 40 MI and we are expanding our sales to:

- United States
- Europe
- South Africa

And including more products into the portfolio, sourcing the best suppliers to fulfil your needs !



## Tecpoly: *our advantages*

**Credit  
Lines**

**We speak:**

**Logistic**

Portuguese, English, Spanish

**Import  
Duty  
reduction**



# Tecpoly: *Our People*

## **Ricardo Previato - Managing Director**

Skype: [ricardo@tecpoly.com](mailto:ricardo@tecpoly.com)

Latin America: Whatsapp +55-11-9-9612-1227

North America: +1-302-715-1470



Over 20 years of experience in sales, market development and financing solutions, in the PET resin market, PET sheet and PC resin, mainly in multinational companies, such as Eastman Chemical Company and Amcor PET Packaging.

## **Amauri Lima – International Trader**

Skype: [amauri@tecpoly.com](mailto:amauri@tecpoly.com)

Europe: Whatsapp +351-910-297-995

Latin America: Whatsapp +55-11-9-4166-1701

North America: +1-302-715-1470



Over 7 years experience in logistics and international trade documents. Started his career at Phillips, assisting hospitals by supplying them medical equipment which led to a strong sense of urgency and compromise. Since 2015 growing with Tecpoly on sales, customer service and financial solutions.

## **Customer Service & Mktg Representative**

Email/Skype: [comex@tecpoly.com](mailto:comex@tecpoly.com)

### Offices:

Av. Arquimedes, 1475 – Suite 1/113 – 13211-840  
Jundiaí – Brazil

1020 North Bancroft Parkway  
Suite 100 Wilmington, Delaware  
19805 – USA  
Tel +1-302-715-1470

- Europe \_\_\_\_\_ cel Amauri +351-910-297-995
- Latin America \_\_\_\_ tel +55-11-9-9612-1227
- North America \_\_\_\_ tel +1-302-715-1470

[www.tecpoly.com](http://www.tecpoly.com)



# Polymers

## PET:

- Preform grade
- Textile grade
- Low IV grade (BOPET film)
- High IV grade (CPET and high tenacity yarns)
- Flakes
- Wide-spec
- RPET (pelletized recycled with FDA approval)



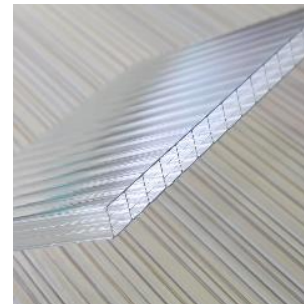
## Poliolefins:

- Organoleptic HDPE (caps)
- HDPE for EBM (5502 grade)



## Specialties:

- PC (extrusion, injection and EBM)
- PETG (extrusion, injection and EBM)
- PET with IPA (BOPET film)





## *Chemicals*

- Acetone
- Styrene monomer
- Insaturated polyester
- Vinyl-ester
- CHDM (glycol)
- PTA
- Butyl acetate
- Ethyl acetate
- Butyl glycol
- Isopropyl Alcohol
- DOP
- TDI
- Toluene
- Xylene

and others, according to your needs !



## *PET sheet (for thermoforming)*

### Types:

- APET
- APET/PE (co-laminated or co-extruded)
- RPET/APET
- GAG (PETG/APET/PETG)
- ANTI-STATIC
- ANTI-FOG





## *Functional & Color Masterbatches*

### Applications:

- PC sheets: anti-UV, light diffuser, infra red absorber, matte, icy surface appearance and foaming agent
- PET sheet: slip antiblock, IV chain extender and oxygen scavenger
- PETG shrink film: antiblock and density reducer (for recycling purposes)





## YOUR RECYCLING SOLUTION WITH:

- **PVCscav**® that removes PVC (up to 1500 ppm) from PET flakes, avoiding degradation and formation of benzene.

### Applications:

- PET-PCR sheet
- Staple fiber
- Strapping
- RPET (bottle-to-bottle) pellets



**PVCscav**®


Remove all PVC from your PET flakes !!

Your PET flake with ZERO PVC

- Forget about PVC in your flakes
- Stop losing Time and Money due to downtime !

**HCl** **Benzene**

**Zero Corrosion** **No cancer risk**

➤ Get rid of your stress  to control the PVC


- Higher productivity
- Keep the IV and transparency
- Incredible low impact on the final cost


**YOUR ACTION:** Buy PET flake with up to 1500 ppm of PVC, and process it with PVCscav®

**FINAL RESULTS: SUBSTANTIAL SAVINGS !!**

**CALL US TODAY:**

Latin America: +55-11-9-9612-1227  
North America: +1-302-715-1470  
Europe: +356-3550-0067  
Email: ricardo@tecpoly.com

 **TECPOLY**  
Chemicals and Specialties





# PETG CrystalPoly resin

## CrystalPoly

### Technical Data Sheet PETG CrystalPoly



• Sheet Extrusion (0.4 mm – 6 mm) and film extrusion (GAG films)

• Impact Test approved and Total Transparency

This resin is mainly for making sheet, bottle and packages, which is easy to mold and requires excellent transparency and tenacity. It also can be used for making high shrink film.

Property	Test Method	Unit	Typical Values
Specific Gravity	ASTM D792	-	1.27
Intrinsic Viscosity	Ubbelohde viscosim.	%	0.78
Moisture Absorption	ASTM D570	%	0.12
Rockwell Hardness	ASTM D785	R-scale	117

#### Mechanical

Tensile Strength @ Yield 50mm/min (2 inch/min)	ASTM D638	MPa (kgf/cm <sup>2</sup> )	49.90 (506)
Tensile Strength @ Break 50mm/min (2 inch/min)	ASTM D638	MPa (kgf/cm <sup>2</sup> )	28.6 (292)
Elongation @ Yield 50mm/min (2 inch/min)	ASTM D638	%	5
Elongation @ Break 50mm/min (2 inch/min)	ASTM D638	%	165
Flexural Strength 1.27mm/min (0.05 inch/min)	ASTM D790	MPa (kgf/cm <sup>2</sup> )	66.7 (680)
Flexural Modulus 1.27mm/min (0.05 inch/min)	ASTM D790	MPa (kgf/cm <sup>2</sup> )	2080 (21200)
ISO 4 Impact Strength, Notched @ 23 °C(73 °F)	ASTM D256	J/m	102

#### Thermal

Heat Distortion Temperature (@ 0.455 MPa (66 psi))	ASTM D648	°C	77
---	-----------	----	----

#### Optical

Haze	ASTM D1003	%	< 1.0
Transmittance	ASTM D1003	%	90
b color	GB/T 14190	-	< -1.0
L color	GB/T 14190	-	> 82
Refractive Index	ASTM D542	-	1.56

#### Flammability

UL Flammability Classification			
@ 1.0mm thickness	UL-94	-	HB
@ 1.5mm thickness			HB
@ 3.0mm thickness			V-2

This information is not intended to be a warranty. Customers must make their own testings and ensure the rules of use, whether used alone or in combination with other products. The supplier assumes no obligation or liability of any advice furnished by it or results obtained with respect to these products.

**Packaging:** 25 metric/40 lb container (big-bags of 1000 Kgs standard) // **Certificates:** ISO 9001, FDA and Reach

**Suggested Processing Conditions:**

- 1) Densicent dryer: 65 °C for 7 to 8 hours (max.)
- 2) Extruder: first zone at 220 °C and final zone at 240 °C
- 3) Calendering cylinders: 30, 40 and 50 °C (or lower)

**Logistics Center**

District of Sheung Wan, in Hong Kong

**Commercial Offices**

Latin and North America – office in Brazil

Europe and Africa – office in Portugal

Asia and Australia – office in Hong Kong