

## TECHNICAL DATASHEET

# PETG 20 in coil

PETG 20 is a super transparent copolymer that is widely used in the packaging industry that allows it to be molded with heat, and is supplied in coils to provide the automation of its transformation.

#### **ADVANTAGES PETG 20**

- It has excellent clarity, combined with a stiffness similar to that of polycarbonate.
- It is easier to thermoform compared to APET, as it is not sensitive to crystallization.
- Allows for more complex thermoforming and is less demanding than PETG 10, leading to higher productivity.
- It can be welded on itself by heat or high frequency.
- Good chemical resistance.
- Gas permeable.
- Suitable for food contact.

#### TYPES AND FORMATS

It can be produced colorless or in colors.

Supplied in coils with thicknesses ranging from 0.20mm to 1.50mm.

Grosor	Ancho bobina		
	Mínimo	Máximo	
0.20 to 0.30 mm	300 mm	660 mm	
0.31 to 0.80 mm	300 mm	680 mm	
0.81 to 1.25 mm	300 mm	725 mm	
1.50 mm	320 mm	840 mm	

Offline can be supplied with widths from 0.6 to 100mm

### **APPLICATION AREAS**

- Containers that require food contact.
- Food wrappers.
- Packaging.





## TECHNICAL SPECIFICATIONS-PETG 20

Properties	Value	Unit	Standard
Physical properties			
Density	1,27	g/cm³	ISO 1183
Mechnical properties			
Impact strength Izod method with notch 1U +23°C d Tensile strength 50mm/min Elongation at break 50mm/min Traction elasticity module 50mm/min	6,2 50 130 2000	kJ/m² MPa % MPa	ISO 180/1U ISO 527 ISO 527 ISO 527
Thermal properties			
VICAT softening temperature 120/oil	82	°C	ISO306
Other properties			
Steam transmission value, F1249 Permeability CO2, D1434 Permeability O2, D1434 Food contact	7 49 10 yes	g/m²/24h cm³.mm/24m².atm cm³.mm/24m².atm -	ASTM ASTM ASTM 10/2011/EC
NOT OUT A DUE TO DE DEDUCTIVO VI			

NOT SUITABLE FOR PRINTING - see if you need to print Can be ordered with low shrinkage

The properties described here are typical values of the material. Polimer Tecnic is not responsible for the materials of a specific consignment to exactly match the given values, being able to carry out tests of that heading. The above information is based on our experience and is given in good faith. Due to some installation and processing factors that are beyond our knowledge and control, no guarantee is given regarding such information.