

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/cm ³	ISO 1183
Mechanical properties			
Impact strength Izod method with notch 1U +23°C d	6,2	kJ/m ²	ISO 180/1U
Tensile strength 50mm/min	50	MPa	ISO 527
Elongation at break 50mm/min	130	%	ISO 527
Traction elasticity module 50mm/min	2000	MPa	ISO 527
Thermal properties			
VICAT softening temperature 120/oil	82	°C	ISO306
Other properties			
Steam transmission value, F1249	7	g/m ² /24h	ASTM
Permeability CO ₂ , D1434	49	cm ³ .mm/24m ² .atm	ASTM
Permeability O ₂ , D1434	10	cm ³ .mm/24m ² .atm	ASTM
Food contact	yes	-	10/2011/EC
NOT SUITABLE FOR PRINTING - see if you need to print			
Can be ordered with low shrinkage			