

PlastiPET WQ



Plastirol
part of PAG

Description

PlastiPET WQ is a clear polymer used for the packaging industry. It has excellent clarity, combined with a good stiffness. PlastiPET WQ has different grades and has been developed for applications where PET should be thermo sealed towards PET. This is an alternative for PETGAG film.

Key features

Certifications

The following approvals are available. FSSC 22000, standard 10/2011 EC and its amendments.

Printing

PlastiPET WQ could be used for printing. This although needs specific treatment. Please contact our sales department in case printing is required for your application.

Product Availability

Colour

Clear film, PlastiPET WQ with recycled content will have slight colour tints; blueish, yellowish. Standard colours are available on customers demand.

Finish

Standard natural gloss. Surface matting by additive possible

Physical properties	Standart		Unit		Value
Mechanical properties					
E-Modulus	ISO 527		MPa		2200
IV value			Dl/g		0,67 - 0,80
Thermic properties					
Vicat VST/B/50	ISO 306		°C		72
Other properties					
Specific weight	ISO 1183		g/cm³		1332
Water vapour transmission	ASTM - F1249		g/m2/24h		7 *)
Permeability CO2	ASTM - D1434		cm3/m2-h-bar		125 *)
Permeability O2	ASTM - D1434		cm3/m2-h-bar		40 *)
*) 0,40 mm film					
Haze value					
Virgin	haze		%		Max 3 *)
Superclear recycled	haze		%		Max 7 *)
Recycled	haze		%		Max 10 *)
*) 0,40 mm film					
Overall Migration test	Simulant		Test condition		Result
Dry, non fatty food	E. Tenax		10 days, 40°C		suitable
wet and aqueous food	A. Water		10 days, 40°C		suitable
sauer food, yoghurt, sauce	B. 3% acetic acid		10 days, 40°C		suitable
alcoholic drinks, milk	D1. 50% ethanol		10 days, 40°C		suitable
chocolate, cookies, fatty food	D2. 100% vegetable oil		10 days, 40°C		suitable
Manufacturing Tolerances					
Film thickness	0.21 to 0.40	0.41 to 0.80	0.81 to 1.20	1.21 to 1.50	
thickness	+/- 7%	+/- 5%	+/- 4%	+/- 3%	
Width	+/- 1mm	+/- 1mm	+/- 2mm	+/- 2mm	
Seal Settings (as an indication)					
Temperature			°C		170 - 200
Seal time			sec.		1,5 - 3,0
Seal pressure			N/cm^2		50

Available options

Antiblock, internal or external
Antifog treatment
ESD coating
Colours

Additional information

Storage

We recommend to store our films with a maximum of 12 months after delivery without any UV exposure. Air humidity between 20% and 70%, temperature between 15 and 25 degrees Celcius.

Recycling Circulair

PlastiPET WQ recycled grade is produced with high content of recycled material (30% - 70%), to ensure optimal use of waste materials. Plastirol will facilitate the return of your grind on demand.

Thermoforming

To keep PlastiPET WQ clear we recommend sheet temperatures of 120 – 165 degrees Celcius. To keep the shrink as low as possible we recommend mould temps around 60 degrees Celcius. Overheating of PlastiPET WQ has negative effect the transparency of the fil because it will start cristallising.

Chemical resistance

PlastiPET WQ shows a good resistance to aqueous solutions of salt, acid and alkalis. It also has good resistance to most solvents, alcohols, fats and oils, although very limited to ketones.

Visual aspects

	0 - 299	300 - 500	501 - 999	≥ 1000	*)
black spots PlastiPET WQ (virgin)	≤ 15 / m²	≤ 3 / m²	1	none	
black spots PlastiPET WQ (recycled grade)	No spec	≤ 15 / m²	≤ 3 / m²	1	

*) values refer to a diameter of a circle, in micron measured

Disclaimer

Above information is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors from the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.