

Plastireen

black recycled



Plastirol
part of PAG

Description

Plastirols Polystyrene black recycled is an excellent thermoforming film. Plastireen can be produced in a more stiff or more flexible mixture. Plastirol has different grades suitable for the technical packaging industry. The material has a reduced surface resistance. This film is produced with external antistatic material.

Key features

Certifications

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

Printing

Plastireen black recycled is not applicable for printing. Please contact our sales department in case printing is required for your application.

Product Availability

Finish

Standard matt

Physical properties

Physical properties	Standart		Unit		Value	
Mechanical properties						
E-Modulus	ISO 527		MPa		1850	
Thermic properties						
Vicat VST/B/50	ISO 306		°C		90	
Other properties						
Specific weight	ISO 1183		g/cm³		1,05	
Water vapour transmission	ASTM - F1249		g/m2/24h		3,5 *)	
Permeability CO2	ASTM - D1434		cm3/m2-h-bar		2700 *)	
Permeability O2	ASTM - D1434		cm3/m2-h-bar		1250 *)	
*) 0,40 mm film						
Surface resistance	IEC 61340-5-1		Ohm		10.8 - 10.11	
Volume resistance	IEC 61340-5-1		Ohm		-	
Testconditions temperature			degr/Celcius		18 - 28	
Testconditions Relative Humidity			%		50 - 90	
Haze value						
Virgin	haze		%		N/A	
Recycled	haze		%		N/A	
*) 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		not 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	1.51 to 2,00	
thickness	+/- 7%	+/- 5%	+/- 4%	+/- 3%	+/- 3%	
Width	+/- 1mm	+/- 1mm	+/- 2mm	+/- 2mm	+/- 2mm	

Additional information

Storage

We recommend to store our films with a maximum of 12 months after delivery without any UV composure. Air humidity between 20% and 70%, temperature between 15 and 25 degrees Celcius. Longer storage can cause mechanical degradation

Recycling Circulair

Plastireen black standard regrind of skelleton waste may be returned to Plastirol. Plastirol will facilitate the return of your regrind on demand.

Visual aspects

	0 - 299	300 - 500	501 - 999	≥ 1000	*)
black spots PS black HQ (virgin)	N/A	N/A	N/A	N/A	
black spots PS black RQ (recycled)	N/A	N/A	N/A	N/A	

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

Plastirol b.v.
Part of PAG

7-1-2026

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.