



22H594

Product Technical Information

LDPE for Blown film

22H594 is an autoclave, low density polyethylene grade for the production of thin blown films.

Applications

22H594 is intended for applications such as

- Thin shrink film
- General packaging film

Properties		Test Method	Value	Units
Physical				
Melt flow rate (190°C/2.16 kg)		ISO 1133	2.1	g/10 min
Density		ISO 1183	922	kg/m ³
Melting temperature		ISO 11357/03	111	°C
Vicat softening temperature		ISO 306	95	°C
Additive: antioxidant (Vitamine E)				
Additive: slip (500 ppm, Erucamide)				
Additive: antiblock (850 ppm, Talc)				
Film*				
Tensile strength	MD/TD	ISO 527-3	26/20	MPa
Strain @ break	MD/TD	ISO 527-3	350/600	%
Tensile modulus	MD/TD	ASTM D 882-A	200/210	MPa
Coefficient of friction	Dynamic	ISO 8295	0.1	-
Haze		ASTM D 1003	7	%
Gloss		ASTM D 2457	85	-
Dart drop		ISO 7785/1	100	g
Elmendorf				
Tear Strength	MD/TD	ISO 8483/2	5/3	N
Puncture resistance, force		ASTM D 5748	50	N
Puncture resistance, energy		ASTM D 5748	1.3	J

- Data should not used for specification work

* Film properties are measured on a 40µm film sample produced on a 60mm W&H extruder with IBC cooling at BUR=12,5. MD = machine direction, TD = transverse direction

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Storage and Handling

22H594 should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation which results in odour generation and colour changes, and can have negative effects on the physical properties of the product.

Processing guidelines

22H594 is easily processed on conventional extruders.

Recommended melt temperature range is from 150°C to 180°C. Due to differences in screw and die head designs the optimum temperature adjustments are individual and should be sought for each production line.

With suitable equipment 22H594 can be drawn down to 25 micron.

Regulatory Information

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