

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
Strain @ break	MD/TD	ISO 527-3	350/600
Tensile modulus	MD/TD	ASTM D 882-A	200/210
Coefficient of friction	Dynamic	ISO 8295	0.1
Haze		ASTM D 1003	7
Gloss		ASTM D 2457	85
Dart drop		ISO 7785/1	100
Elmendorf			
Tear Strength	MD/TD	ISO 8483/2	5/3
Puncture resistance, force		ASTM D 5748	50
Puncture resistance, energy		ASTM D 5748	1.3

- 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