



21H460

Product Technical Information

LDPE for Blown film

Applications

- 21H460 is suitable for a variety of general-purpose packaging films, liners, carrier bags and fine shrink film.

Characteristics

21H460 is an autoclave LDPE homopolymer. It offers the following properties:

- Good strength and dart drop resistance
- High clarity
- Good drawdown
- Low tendency to block

If corona treatment is necessary, the level should normally be in the range 38-48 mN/m.

We recommend that you consult your INEOS Polyolefins technical representative for further advice on the use of 21H460.

Properties	Test Methods	Values	Units	
Physical				
Melt Flow Rate	ISO 1133 Condition 4	1.5	g/10min	
Conventional density (conditioning ISO 1872/1)	ISO 1183 Method D	922	kg/m ³	
Vicat Softening temperature	ISO 306 Method A	95	°C	
Other additive: antioxidant				
Film*				
Dart drop impact	Method A	ASTM D1709	120	g
Tensile stress @ yield	MD/TD	ISO 1184	10/10	MPa
Tensile stress @ break	MD/TD	ISO 1184	22/21	MPa
Elongation @ break	MD/TD	ISO 1184	400/600	%
1% Secant Modulus	MD/TD	ISO 1184	140/150	MPa
Coefficient of friction		ASTM D1894	> 0.5	-
Haze		ASTM D1003	6	%
Gloss (45°)		ASTM D2457	60	%

- Data should not be used for specification work

* 50 µm film, 2.5:1 blow-up ratio, 180°C melt temperature - MD = machine direction TD = transverse direction