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22D730

Product Technical Information

LDPE for Blown film

22D730 is an autoclave, low density polyethylene grade for film application. 22D730 is developed to give an extra strong film for heavy duty film applications such as sacks and pallet shrink.

Applications

22D730 is intended for applications such as

- Heavy duty bags
- Shrink films
- Liners
- Construction and agricultural films

Properties		Test Method	Value	Units
Physical				
Melt flow rate (190°C/2.16 kg)		ISO 1133	0.3	g/10 min
Density		ISO 1183	922	kg/m^3
Melting temperature		ISO 11357/03	110	°C
Vicat softening temperature		ISO 306	96	°C
Additive free				
Film*				
Tensile strength	MD/TD	ISO 1184	25/23	MPa
Tensile strain @ break	MD/TD	ISO 1184	400/600	%
Tensile modulus	MD/TD	ISO 1184	170/180	MPa
Coefficient of friction	Dynamic	ISO 8295	> 0.5	-
Dart drop		ASTM D 1709	450	g
Haze		ASTM D1003	15	%
Gloss (45°)		ASTM D2457	43	‰

- Data should not used for specification work

* Film properties are measured on a 125µm film sample produced on a 60mm W&H extruder with IBC cooling at BUR=2.5. MD = machine direction, TD = transverse direction

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Storage and Handling

22D730 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

22D730 is easily processed on conventional extruders.
Recommended melt temperature range is form 170°C to 200°C. Due to differences in screw a die head designs the optimum temperature adjustments are individual and should be sought for each production line.
With suitable equipment 22D730 can be drawn down to 70-75 micron.

Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, send an email to psnohreg@ineos.com. Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

Health and Safety Information

The product described herein may require precautions in handling. The available product health and safety information for this material is contained in the Material Safety Data Sheet (MSDS) that may be obtained from the website www.ineospolyolefins.com. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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