# 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 527-3 | 25/23 | MPa |
| Tensile strain @ break | MD/TD | ISO 527-3 | 400/600 | % |
| Tensile modulus (0.05-.1.05%) | MD/TD | ASTM D 882-A | 170/180 | MPa |
| Coefficient of friction | Dynamic | ISO 8295 | > 0.5 | - |
| Dart drop | | ISO 7785/1 | 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=12,5. 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@innovene.com. Unless specifically indicated, the products mentioned herein are not suitable for applications in the medical or pharmaceutical sector.

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