

# 22G564

## Product Technical Information

LDPE for Blown film

**22G564** is an autoclave, low density polyethylene grade developed to give strong film for medium duty applications.

## Applications

22G564 is intended for applications such as

- Carrier-bag films
- Pouches refuse sacks
- General packaging film

Properties		Test Method	Value	Units
<b>Physical</b>				
Melt flow rate (190°C/2.16 kg)		ISO 1133	1.2	g/10 min
Density		ISO 1183	922	kg/m <sup>3</sup>
Melting temperature		ISO 11357/03	110	°C
Vicat softening temperature		ISO 306	96	°C
Additive: antiblock (850 ppm, Talc)				
Additive: antioxidant				
Additive: slip (450 ppm, Erucamide)				
<b>Film*</b>				
Tensile strength	MD/TD	ISO 527-3	26/23	MPa
Strain @ break	MD/TD	ISO 527-3	300/500	%
Tensile modulus	MD/TD	ASTM D 882-A	180/180	MPa
Coefficient of friction	Dynamic	ISO 8295	0.15	-
Haze		ASTM D 1003	8	%
Gloss		ASTM D 2457	85	-
Dart drop		ISO 7785/1	140	g
Elmendorf				
Tear Strength	MD/TD	ISO 8483/2	4/2	N
Puncture resistance, force		ASTM D 5748	53	N
Puncture resistance, energy		ASTM D 5748	2	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

22G564 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

22G564 is easily processed on conventional extruders.

Recommended melt temperature range is from 160°C to 190°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 22G564 can be drawn down to 20-30 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](mailto:psnohreg@innovene.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 <http://techservice.innovene.com>. Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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