

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
Physical				
Melt flow rate (190°C/2.16 kg)		ISO 1133	1.2	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: antiblock (850 ppm, Talc)				
Additive: antioxidant				
Additive: slip (450 ppm, Erucamide)				
Film*				
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

November, 2007

Published by
INEOS Polyolefins



22G564

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. 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.

Exclusion of Liability

Although INEOS POLYOLEFINS endeavours to ensure that all information and advice relating to our materials or other materials howsoever provided to you by INEOS POLYOLEFINS is accurate and up to date, no representation or warranty, express or implied is made by INEOS POLYOLEFINS as to its accuracy or completeness. All such information and advice is provided in good faith and INEOS POLYOLEFINS is not, to the maximum extent permitted by law, liable for any action you may take as a result of relying on such information or advice or for any loss or damage, including any consequential loss, suffered by you as a result of taking such action.

In addition data and numerical results howsoever provided to you by INEOS POLYOLEFINS are given in good faith and are general in nature. Data and numerical results are not and shall not be regarded as specifications and as such INEOS POLYOLEFINS is not, to the maximum extent permitted by law, liable for any action that you take as a result of relying on such data and results or for any loss or damage, including any consequential loss, suffered by you as a result of taking such action.

It remains at all times your responsibility to ensure that INEOS POLYOLEFINS materials are suitable for the particular purpose intended and INEOS POLYOLEFINS shall not be responsible for any loss or damage caused by misuse of INEOS POLYOLEFINS products. To the maximum extent permitted by law, INEOS POLYOLEFINS accepts no liability whatsoever arising out of the application, adaptation or processing of the products described herein, the use of other materials in lieu of INEOS POLYOLEFINS materials or the use of INEOS POLYOLEFINS materials in conjunction with such other materials.