



Rigidex® HD6070FA

Product Technical Information

HDPE for Film products

Rigidex® HD6070FA is a high density polyethylene suitable for a range of high quality film applications.

Typical applications

- Cast or blown film as a blending partner to increase stiffness of LDPE or LLDPE
- Cast co-extrusion for high stiffness films or non blocking layers
- Extrusion coating as a blending partner or in co-extrusion with LDPE extrusion coating grades. With such blends (minimum content of LDPE of 20%), coated substances such as paper and cardboard can be used e.g. for photographic paper and for ream wrapping.

Benefits and Features

- High stiffness
- Very low gel level
- Easy extrudability
- Good optical properties in cast extrusion
- High gloss
- Better heat and scratch resistance compared to LDPE and lower blocking
- In extrusion coating : good processability, high coating speed, good draw down ability with reasonable neck-in, good adhesion on many substrates

Properties	Test Methods	Values	Units
Physical			
Density	ISO 1872	960	kg/m ³
Melt Flow Rate 2.16 kg load	ISO 1133	7.6	g/10min
Vicat softening tempertuare	ISO 306 Method A	127	°C
DSC melting temperature (10°C/min)	INEOS Method	132	°C
Thermal conductivity	ASTM C177	0.48	W/m ²
Specific heat	-	2300	J/kg °C
Additives:antioxidants			



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Film*

Tensile Stress @ Break	MD/TD	ISO 1184	50	MPa
Elongation @ Break	MD/TD	ISO 1184	500	%
1% Secant modulus	MD/TD	ISO 1184	700	MPa
Haze		ASTM D1003	7	%
Gloss (45°)		ASTM D2457	75	%

- Data should not be used for specification work.

* 15 µm cast film extruded at 200°C – MD: machine direction - TD: transverse direction

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 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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February, 2008

Published by
INEOS Polyolefins