



INEOS Polyolefins, your partner in Textile

INEOS Polyolefins offers a full range of high valued polyolefins solutions for selected market applications like beverage caps, pipes, packaging, automotive and textile through a dedicated sales, marketing and technical team focused on these market segments.

HDPE, LLDPE and PP have become the polymers of choice for textile applications and are replacing traditional materials. The main attributes associated to a very good balance of high cleanliness and processability on most of the conventional equipments with the aim at fulfilling the customers needs.

As a result of its leading technologies, strong product development capability, willingness to create value and strong relationships with customers and end-users, INEOS Polyolefins is committed to serve the current and future needs of the textile markets along the value chain and globally.

Information regarding our products is provided in this leaflet but you can also find additional information by having a look at our website:

www.ineos.com



INEOS Polyolefins

INEOS Polyolefins: an historical and global leader with more than 25 years experience in textile research, developments and technical support.

MONOFILAMENTS



INEOS Polyolefins supplies monofilament grades all over the world for several applications of knitted fabrics. The conventional applications where we supply (since more than 25 years) are for example fishing nets, protective nets for construction, agriculture protective nets etc... where all the necessary properties are provided from our products. More recently, innovative applications have been launched with new tailor made products for malaria nets, improved synthetic grass and other new ideas on their ways thanks to partnership with our customers.

TAPES



INEOS Polyolefins supplies HDPE and PP tape grades for applications of knitted and woven fabrics. The conventional applications where we supply are for example fruit and vegetable bags, bale nets wrap, woven carpet backing, woven bags, woven geotextiles, etc... where all the necessary properties are provided from our products. We continue to develop fit for purpose grades in this segment as well as by privileging customers partnership.

MULTIFILAMENTS



INEOS Polyolefins supplies HDPE and PP grades that will provide an interesting balance between mechanical properties and softness. INEOS Polyolefins is producing HDPE grades with high fluidity that can be converted on conventional lines with little adjustment compared to PP grades. On the PP side we produce a complete range of products for BCF, CF, staple fibers and spun bonding. INEOS Polyolefins also proposes tailor made products for specific applications via partnerships.

The INEOS Polyolefins' range of resins for textile applications

1. POLYETHYLENE: HD/MD PE

Eltex®	MFR (190°C, 2,16 kg) (g/10 min)	MFR (190°C, 5 kg) (g/10 min)	Density (kg/m³)	Applications and key characteristics
TEST METHOD	ISO 1133	ISO 1133	ISO 1183/A	
A4009MFN1325	0,9	-	960	Monofilaments (fishing nets, protective nets for construction, agriculture protective nets...)
A7040F1365	4,5	-	938	Monofilaments (artificial grass)
A5006FN1280	-	1,9	944	Tapes from cast and blown film (knitted netting and bags for fruit and vegetable bags, bale nets wrap, greenhouses, artificial grass...)
A5006FN1285	-	1,6	944	
A5006FN0095	-	1,9	945	
A5005FN0097	-	1,2	945	
A7040F1365	4,5	-	938	
Rigidex®	MFR (190°C, 2,16 kg) (g/10 min)	MFR (190°C, 5 kg) (g/10 min)	Density (kg/m³)	Applications and key characteristics
TEST METHOD	ISO 1133	ISO 1133	ISO 1872	
HD5211EA-Y	11	-	951	Continuous or staple fibres; non-woven (mainly medical & hygienic use)
HD5218EA-Y	18	-	952	
HD5226EA-Y	26	-	953	



2. POLYPROPYLENE

PP Homopolymer	MFR (230°C, 2,16 kg) (g/10 min)	Molecular Weight Distribution	ADDITIVES	APPLICATIONS
TEST METHOD	ISO 1133			
100-GA01	0,9	M	GP	High Tenacity strapping
100-GA02	2,0	M	GP	Strapping, Tapes (woven geotextiles, packaging), Ropes, Twines
150-GA02	2,0	M	GP	Strapping, Tapes (woven geotextiles, packaging), Ropes, Twines
100-GA03	3,0	M	GP	Tapes (woven geotextiles, packaging, carpet backings), Ropes, Twines
150-GA03	3,0	M	GP	Tapes (woven geotextiles, packaging, carpet backings), Ropes, Twines
100-GA04	4,0	M	GP	Tapes (woven geotextiles, packaging, carpet backings), Ropes, Twines
102-XA06	6,0	M	AGF	High tenacity staple fibres for needlepunched nonwovens (geotextiles)
101-XA06	6,0	M	AGF	Staple fibres for geotextiles and industrial applications
100-XZ12	12,0	M	AGF	Long spin fine denier staple fibres for high speed nonwoven thermobonding lines
101-XA12	12,0	M	AGF	Staple fibres for carpet face yarn, continuous filament for straps & belts
101-XA16	16,0	M	AGF	Bulk Continuous Filament for carpet face yarn
101-ZA16	16,0	N	AGF	Spunbond nonwovens (thermobonding and needlepunched), high tenacity CF
101-XA25	25,0	M	AGF	Bulk Continuous Filament for carpet face yarn, Fine denier staple fibres
100-GA25	25,0	N	GP	Fine denier spunbond nonwovens
100-ZA25	25,0	N	AGF	Fine denier spunbond nonwovens
100-ZA35	35,0	N	AGF	Fine denier spunbond nonwovens, Partially Oriented yarns
101-YA35	36,0	M-N	AGF	Masterbatches and compounds for fibre spinning applications
PP Impact Copolymer	MFR (230°C, 2,16 kg) (g/10 min)	MWD	ADDITIVES	APPLICATIONS
TEST METHOD	ISO 1133			
400-GA03	3,0	M	GP	Impact copolymer for artificial grass applications
Eltex® P RP210	3,0	M	GP	

Legend:

M: Medium **GP:** General Purpose
N: Narrow **AGF:** Anti-gas-fading

3. ARTIFICIAL GRASS

INEOS Polyolefins has developed and supplies different polyolefins which fit for purpose grades in the artificial grass market (athletic and garden applications)

	POLYETHYLENE					POLYPROPYLENE		
	HDPE Eltex®	MDPE Eltex®	LLDPE	LLDPE	LLDPE			
	A5006FN1280 A5006FN0095	A7040F1365	LL6208AF	LL6910AA	LL6120AA	100-GA03	400-GA03	Eltex® P RP210
MFR (2,16 kg) (g/10 min)	-	4.5	0.9	1.0	2.3	3,0	3,0	3,0
MFR (5 kg) (g/10 min)	1,9	-	-	-	-	-	-	-
Density (kg/m³)	944-945	938	920	936	920	-	-	-

MFR : PE @ 190°C
PP @230°C



SOLUTIONS TO CUSTOMERS

INEOS Polyolefins is committed to have close and continuous collaboration with customers, converters and brand owners. Thanks to proven technical and marketing expertise, INEOS Polyolefins offers solutions to the market. INEOS Polyolefins has extensive Research and Development facilities based in Brussels (Belgium) and is actively engaged in new development projects.

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