



INEOS

Olefins & Polymers Europe


Your partner in

**TEXTILE**

Polyolefins: all you  
need for textiles

+

INEOS

A close-up photograph of two hands holding several strands of red thread. The threads are stretched across the frame, creating a geometric pattern against a bright blue sky with soft white clouds. The hands are positioned at the top and bottom, with fingers delicately gripping the threads.

# **Polyolefins, the material of choice for textile applications**

**INEOS Olefins & Polymers Europe**

## **INEOS Olefins & Polymers Europe**

is a historical and global leader with more than 25 years experience in textile research, development and technical support.

### **Monofilaments**

We supply monofilament grades for several applications of knitted fabrics. The conventional applications are for example fishing nets, protective nets for construction and agriculture, etc.

### **Tapes**

We supply HDPE and PP tape grades for applications of knitted and woven fabrics. The conventional applications we supply are for example fruit and vegetable bags, bale nets wrap, woven carpet backing, woven bags, woven geotextiles, etc.

We continue to develop fit-for-purpose grades in this segment in close partnership with our customers.

### **Multifilament**

We supply HDPE and PP grades that will provide an interesting balance between mechanical properties and softness. We produce 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 range of products for BCF, CF, staple fibers and spun bonding. We also propose tailor-made products for specific applications via partner-ships.

# The Range of Resins for Textile Applications

## Polyethylene

	Product PE	MFI-190°C		Density kg/m3	Applications
		2.16 kg	5.0 kg		
<b>HDPE</b>	A5006FN1285	0.55	1.6	944	Tapes, knitted netting and bags
	A5006FN1280	0.6	1.9	944	Tapes, knitted netting and bags
	HD4706EA-Y	0.6	1.7	948	Tapes, bale net wrap, knitted netting and bags
	A4009MFN1325	0.9	3.1	960	Monofilaments netting for construction, agriculture and fishing
	HD5211EA-Y	11		951	CF and staple fibre for nonwoven applications
	HD5218EA-Y	18		952	CF and staple fibre for nonwoven applications, bico fibres
	HD5226EA-Y	26		953	CF and staple fibre for nonwoven applications, bico fibres
<b>LLDPE-C6</b>	LL6208AF	0.9		920	Artificial grass
	LL6608AF	0.9		928	
	LL6910AA	1		936	
	LL6120AA	2.3		920	
	LL6130AA	3.1		920	
	LL6930AA	3.5		936	
<b>Metalocene</b>	PF6212AA	1.2		920	Artificial grass
	PF6220AA	2		920	
	PF6130LA	3.5		918	
	PF6130AA	3.5		918	
	PF6140AA	4.5		918	



## Polypropylene

Product PP	MFI	MWD	Addi- tives	Applications
	g/10min			
100-GA01	0.9	Medium	GP	Sheets, strapping
100-GA02	2	Medium	GP	Tapes, strapping, ropes, geotextiles, packaging
150-GA02	2	Medium	GP	Tapes, strapping, ropes, geotextiles, packaging
100-GA03	3	Medium	GP	Tapes, carpet backing, artificial grass
150-GA03	3	Medium	GP	Tapes, carpet backing, artificial grass
100-XA03	3	Medium	AGF	Staple fibres for high tenacity geotextile
100-GA04	4	Medium	GP	Tapes
102-XA04	4	Medium	AGF	Staple fibres for high tenacity geotextile
102-XA06	6	Medium	AGF	Staple fibres for geotextile
101-XA12	12	Medium	AGF	Staple fibre (carpet face yarn, geo-textile), CF for belts
100-XZ12	12	Medium	AGF	Long spin fine denier staple fibre for high speed NW
101-XA25	25	Medium	AGF	BCF, Fine denier staple fibre
101-ZB25	25	Med-Narrow	AGF	Industrial spunbond applications

GP = General purpose stabilisation, AGF = Anti-gas fading stabilisation



## Your Partner in Textile

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

INEOS Olefins & Polymers Europe 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 and technical team focused on these market segments.

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



## About us

INEOS is one of the world's largest chemical companies, founded in 1998. INEOS Olefins & Polymers Europe is a leading producer of olefins and polyolefins.

**INEOS Olefins & Polymers Europe** offers a full range of high value polyolefins solutions for market applications such as food and industrial packaging, pipe and automotive through dedicated sales, and technical service teams.

INEOS is a safe and environmentally responsible company. We are engaged in developing our sustainable agenda to improve our operations and to implement sustainable solutions for our customers. This includes products that offer lightweighting, energy efficiency, durability (extended lifetime) or conservation of resources. We care.



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