



# Functional Fibres for Technical Applications

## Customised PP PE PLA Fibres



ISO 9001  
ISO 14001  
ISO 50001  
CE certified  
DIBt and  
CSTB certifications



*PB EUROFIBER CUT is the trademark identifying our short-cut multifil fibres for specialty technical applications. Utilising our extensive product and applications know-how, we offer fibre solutions expertly engineered for your specific applications and needs.*

PP PE PLA fibres | 1.2 - 150 dtex | 13 - 145  $\mu\text{m}$   $\varnothing$  | 1.5 -> 20 mm



## Customised Fibre Products

Our chemists, plastics engineers and textile experts are at your service. We will create the best product for your specific application needs.

### We are a single-source manufacturer offering:

- Product development to customer's specifications
- Selected high-quality raw materials
- Fibres with modified properties
- Fibres with custom-engineered functional additives
- Specified fibre blends with different fibre dimensions (fibre length/ fibre count)
- Full control of all manufacturing processes
- Comprehensive quality management 24/7
- Highest fibre performance for trouble-free processing in your plant

## Technical Data

Polymer	Polypropylene		Polyethylene				Polyactide
	PP		HDPE	LLDPE	LDPE	TPE	PLA
Melting point	165 °C		131 °C	122 °C	104 °C	95 °C/73 °C	125-185 °C
Fibre dtex / den / diameter	1.2 to 150 dtex / 1.1 to 135 den / 13 to 145 µm						depending on type
Fibre length	2.2 mm, 3 mm, 4.6 mm, 6 mm, 9 mm, 12 mm, 18 mm, > 18 mm on request PE also available in 1.5 mm fibre length; crosslinked PE also available in approx. 1 mm fibre length						
Moisture content	0.3 % - 20 % (as per your specification)						
Spin finish	hydrophilic						
Remark	<ul style="list-style-type: none"> <li>● high alkali resistance</li> <li>● chemically resistant to acids, bases, salts and most solvents</li> </ul>						<ul style="list-style-type: none"> <li>● biogenic origin</li> <li>● industrial biodegradable</li> </ul>



Specific weight	
PP	0.91 g/cm <sup>3</sup>
PE	0.94 g/cm <sup>3</sup>
PLA	1.24 g/cm <sup>3</sup>
Comparative values	
PAN	1.18 g/cm <sup>3</sup>
PET	1.36 g/cm <sup>3</sup>
VIS	1.52 g/cm <sup>3</sup>
Glas	2.60 g/cm <sup>3</sup>

Optional Fibre Modifications (other versions also available)
Polymer modifications
Fibres with fillers (e.g. mineral fillers)
PP/PE fibres with improved bonding to foreign materials such as cellulose, glass as well as synthetic and mineral materials
Antimicrobial fibres
Fibres with increased polarity
Hydrophobic spin finishes
Thermostabilised PE fibres
PP fibres with significantly reduced melt viscosity (increased MFR)
x-linked PE fibres with increased melt viscosity (decreased MFR)

## Packaging Options

Small packages: 50 - 5000 g /paper or PE bags

Large bags: 15 - 25 kg PE bags

Big Bags: approx. 200 - 500 kg

Collapsible HDPE boxes: approx. 300 - 350 kg (reusable)

Other packaging options available on request

All data given here are approximate values provided without engagement.