



## Functional Fibres for the Refractory Industry

**PP and PE fibres** to increase the fire resistance of shaped and unshaped refractory products



For decades our brand **PB EUROFIBER** has stood for high quality PP and PE fibres made in Germany. We are a single-source manufacturer offering:

- A wide range of fibre solutions for the refractory industry
- High quality fibre products directly from stock
- Product development to customer's specification
- Fibres with modified properties
- Comprehensive quality management 24/7
- Highest fibre performance for trouble-free processing in your plant



*Test specimens after fire testing: specimen with and without fibres.*

## PP/PE Product Range

(other products also available)

### Standard Fibres

Product	Polymer	Diameter µm	Fibre Length mm	dtex g/10.000 m	Fibre Count approx. 10 <sup>6</sup> /kg	Theoretical Length approx. km/kg
PB EUROFIBER REF 502	18/2	PP	17.5	2.2	2100	4500
PB EUROFIBER REF 503	20/3	PP	19.8	2.8	1190	3600
PB EUROFIBER REF 505	18/5	PP	18.3	2.4	900	4200
PB EUROFIBER REF 505	125/5	PP	124	110	20	90
PB EUROFIBER REF 506	15/6	PP	15.4	1.7	1000	5900
PB EUROFIBER REF 506	20/6	PP	19.8	2.8	600	3600
PB EUROFIBER PRO-MIX	32/6	PP	31.7	7.2	230	1400
PB EUROFIBER F-2106	24/5	LDPE	24.4	4.4	495	2300
PB EUROFIBER F-1140	64/6	LDPE	63.7	30	55	330

### PP High-Performance Fibres HPR

Product	Polymer	Diameter µm	Fibre Length mm	dtex g/10.000 m	Fibre Count approx. 10 <sup>6</sup> /kg	Theoretical Length approx. km/kg
PB EUROFIBER HPR	15/6	PP	15.4	1.7	1000	5900
PB EUROFIBER HPR	20/6	PP	19.8	2.8	600	3600
PB EUROFIBER HPR	32/6	PP	31.7	7.2	230	1400

### HPR (Heat Prompt Reaction) / High-Performance PP Fibres / Patented Technology

What sets **PB EUROFIBER HPR** apart from conventional PP antispalling fibres is its outstanding flow capability in the molten state. In the event of fire, this ease of flow permits quick and efficient formation of a permeable capillary network which vents off vapour pressure from the refractory components. This unique melting properties reduce spalling more efficiently than standard PP fibres.

## Customised Fibre Products

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



### Fibre Range

Polymer	Polypropylene		Polyethylene	
	PP		HDPE	LLDPE LDPE
Melting Point	165 °C		131 °C	122 °C 104 °C
dtex / den	1.2 to 150 dtex / 1.1 to 135 den			
Diameter	13 to 145 µm			
Fibre Length	2.2 mm, 3 mm, 4.6 mm, 6 mm, 9 mm, 12 mm, 18 mm Additional fibre lengths on request.			



## Quality First

Comprehensive quality management ensures highest performance and trouble-free processing in your plant.

All information and data in this brochure are provided without engagement. We recommend evaluation of product suitability by appropriate testing before use.