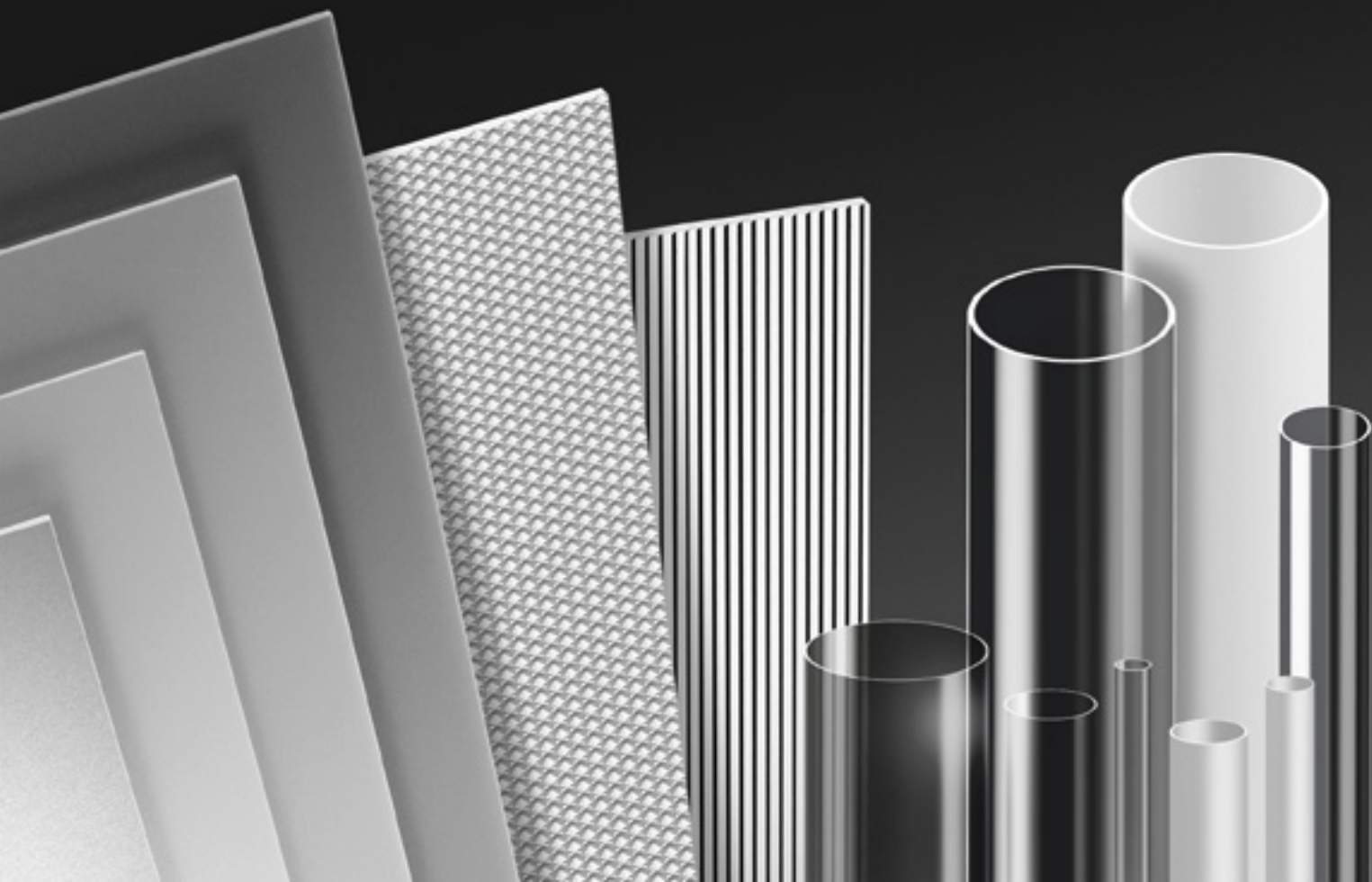


BWF Profiles

Our plastic products for you in stock



BWF Profiles

Superior plastic products

BWF Profiles is the market leader in Europe and Asia with regards to the extrusion of high-quality thermoplastic material. We attribute this to the highest standards of innovation and market support for you as partners.

For more than 60 years, we have offered competent support to our customers in the development and production of plastic profiles, tubes, sheets, and optical foils, completing the portfolio with high-quality thermoformed or injection-moulded parts.

Innovation is what motivates us – as market leaders we are constantly challenging ourselves. We rely on continuous innovation and development within our highly skilled team.

Whilst developing customized solutions with us, you will not only benefit from many years of experience of our employees, but also from pioneering technologies and entrepreneurial dynamic, ensuring a partnership for sustainable success.

From the creation of prototypes, our in-house tooling facility to our modern colour laboratory and a wide range of processing options onto our exceptional quality assurance, BWF Profiles offers the complete support package.

With an abundance of energy and enthusiasm we jointly develop your plastic product. We consider the inherent properties of different materials, the planned installation, and the required production process. By doing so, we will choose the best possible material and contour for your special application.



BWF Profiles Stock Program

Ideal solutions readily available for you

Besides individual plastic products, we offer a **wide range** of plastic sheets, direct from our storage.

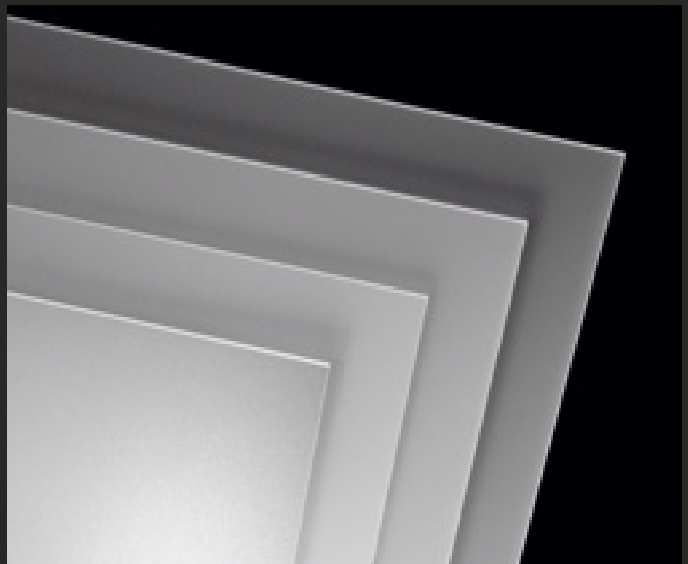
BWF Profiles offers a large selection of sheets with a wide variety of photometric properties. Our diverse product range is completed by light-directing, light-diffusing, forward-diffusing, and light-reflecting plastic sheets. Choose from a variety of materials such as polymethylmethacrylate (PMMA), polycarbonate (PC) or Satiné-Blend.

BWF Profiles uses only high-quality granules from the world's leading premium manufacturers, guaranteeing consistency in material properties and quality.

No matter whether you want your plastic sheet to be cut to a certain size or your product to be prepared for final installation after various processing steps, we provide full service from raw material to final product. Furthermore, we offer you the possibility to individualize your products via pad printing. Finest contours, process reliability and a wide range of colours speak for themselves.

Benefit from the most modern production facilities in Europe and Asia and secure your decisive technological advantage. Our processing service is as varied as the possible applications of your products.

For more information or samples of our plastic products please contact the BWF Profiles Germany sales team.



Plastic Sheets

Tailor-made for your application

We develop light-directing, light-diffusing and forward-diffusing plastic sheets for your individual applications.

Whether you are aiming for precise light control by using prisms or embossed structures or an optimum light scattering without visible hotspots at highest transmission or defined light accents, we are your competent partner in lighting engineering. But we also focus on developments that consider aesthetics, design, and architectural criteria.

In addition to our stock program, we offer plastic sheets in your desired colour, wall thickness or different materials and production lengths upon purchase of an appropriate quantity. Also, with regards to special fire prevention requirements, we are your partner in choosing and processing the most suitable material.

We accompany you throughout the development process, starting with the concept phase, followed by the prototype production, leading to the ready-to-install product.

Please consider our tolerances (+/-3%) with regards to transmission as stated in the General Processing Recommendations which you can find on www.bwf-profiles.com. These values are an indication only and do not guarantee technical properties.

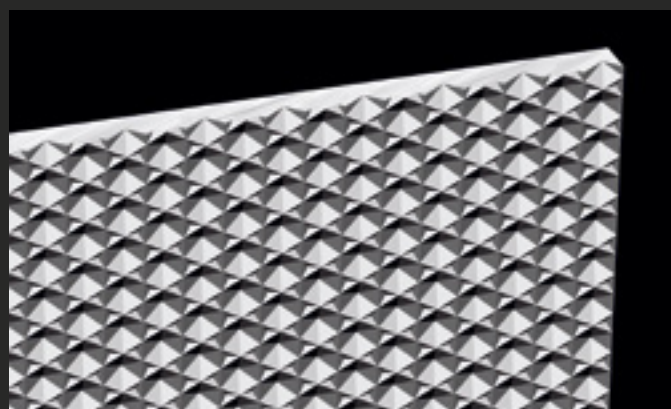


BWF *diamond*PRISM®

Light-directing plastic sheet with diamond-like light brilliance

The name says it all – The optimum **photometric structure** of the BWF diamondPRISM® sheet provides **diamond-like brilliance** and **perfect glare control** while showing a completely new design.

Despite **high-precision edges**, the inverse structure of BWF diamondPRISM® **avoids predetermined breaking points** and is also ideal for computer workstations due to excellent glare control and light distribution.



BWF diamondPRISM® sheet

GENERAL INFORMATION

- highly precise, optimum photometric structures
- unique transmission
- perfect glare control
- for lighting purposes UGR < 19

APPLICATION AREAS

- illumination for workstations
- large-scale ceiling lighting constructions
- long luminaire arrays
- combining sheets with extruded profiles
- overall glare reduction with only one sheet

MATERIAL	WALL THICKNESS b	MAX. WIDTH a	LENGTH	TRANSMISSION
	mm	mm	mm	%
PMMA clear	1,5	1350	3050	94,5
PMMA clear	2	1350	3050	94,5
PC transparent	2	1000	3050	91
PMMA clear	3	1350	3050	94,5

DRAWING

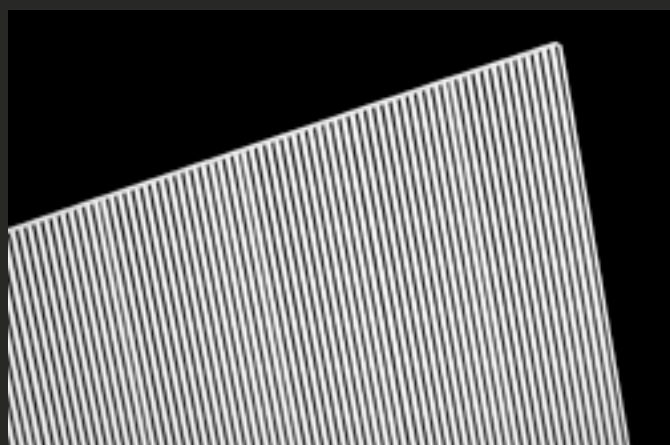


BWF linearPRISM

An all-rounder when it comes to light-directing sheets

Our BWF linearPRISM sheet with high-precision linear prismatic structure offers **excellent glare reduction and light distribution** in longitudinal or transverse direction due to its linear structure.

BWF linearPRISM is the all-rounder when it comes to light-directing sheets and can be used individually or in combination with clear, prismatic or satinated plastic profiles made by BWF Profiles. Additionally, the linearPRISM sheet can be combined with all other prismatic sheets.



BWF linearPRISM sheet

GENERAL INFORMATION

- highly precise, optimum photometric structures
- for lighting applications up to UGR 16
- excellent glare reduction and light distribution
- unique transmission
- high transparency
- perfect looks in longitudinal or transversal direction due to linear structure
- increased efficiency for existing luminaires

FIELDS OF APPLICATION

- illumination for computer workstations
- large-scale ceiling light constructions
- lamp cover with a combination of plastic profile and slid-in BWF linearPRISM
- luminaire arrays
- Point of Sales illumination
- high-bay illumination

MATERIAL	WALL THICKNESS b	MAX. WIDTH a	LENGTH	TRANSMISSION
	mm	mm	mm	%
PMMA clear	2	1525	2200	94

DRAWING



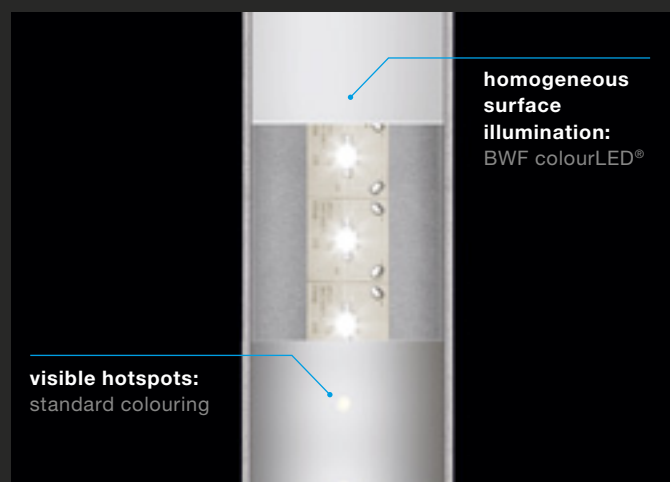
BWF colourLED®

Uniform illumination due to optimum light diffusion

With a material recipe developed specifically for **high power LED applications**, BWF colourLED® sheets provide unsurpassed light diffusion for your applications.

Using the BWF colourLED® sheet, very flat, uniformly illuminated, and efficient lighting elements without any hotspots can be easily realized.

The decisive advantage of our BWF colourLED® sheet is that by using it, you can achieve up to 40% more light output compared to standard colouring.



BWF colourLED® sheet

GENERAL INFORMATION

- excellent light diffusion without visible hotspots
- luminaire arrays without dark spots
- up to 40% more light output

FIELDS OF APPLICATION

- modern, energy-saving lighting concepts
- realization of very flat, evenly illuminated, and efficient lighting elements
- thermoformed diffusers: as 1mm diffuser sheet installed behind BWF diamondPRISM® or as diffusing layer for BWF sideLIGHT

MATERIAL	WALL THICKNESS b	MAX. WIDTH a	LENGTH	TRANSMISSION
	mm	mm	mm	%
BWF colourLED® PMMA				
VR 1650-1, Nr. 11 white	1	1650	3050	83
BWF colourLED® PC				
VRX 1650-2, Nr. 2 white	2	1650	3050	75
VRX 1650-3, Nr. 2 white	3	1650	3050	75

DRAWING



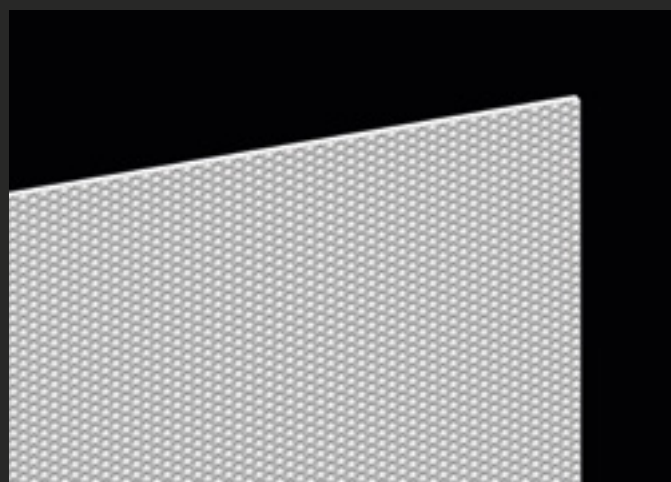
BWF *design*PRISM

High-quality light diffusion

The BWF designPRISM sheet combines a high-quality design with **excellent light diffusion**.

Our **light-diffusing plastic sheet** offers the **perfect light-diffusing properties** of BWF colourLED® in combination with the **high-quality appearance** of the BWF diamondPRISM® prism structure.

The inverse structure of the microprismatics guarantees that there are no predetermined breaking points. Furthermore, no additional carrier sheet is required.



BWF designPRISM sheet

GENERAL INFORMATION

- high-quality microprismatic structure for perfect light diffusion without additional diffusion foil
- homogeneous appearance due to uni-directional microprismatic structure
- due to inverse microprismatic structure:
 - no predetermined breaking points
 - no additional carrier sheet needed
- homogeneous LED illumination

FIELDS OF APPLICATION

- modern, energy-saving lighting concepts with LED technology
- very flat and homogeneously illuminated lighting elements with high efficiency
- suitable for any dimension

MATERIAL	WALL THICKNESS b	MAX. WIDTH a	LENGTH	TRANSMISSION
	mm	mm	mm	%
PMMA with BWF colourLED®	2	1350	3050	87

DRAWING



Satiné-Blend sheets

For your highest light diffusion requirements

Satiné-Blend feature **excellent light-diffusing properties** that will perfectly set the scene for your projects.

Satiné-Blend, our innovative compound, lives up to highest expectations in terms of light diffusion. Excellent transmission and a satinated, scratch-resistant surface are perfect properties to guarantee an outstanding effect for your applications. Due to this, Satiné-Blend is perfect for applications which must meet special safety standards regarding fire.



Satiné-Blend sheet

GENERAL INFORMATION

- excellent light diffusion without visible hotspots
- high degree of transmission
- satinated and resistant surface

FIELDS OF APPLICATION

- ideal for flame-retardant safety requirements
- excellent for thermoforming and edging

MATERIAL	WALL THICKNESS b	MAX. WIDTH a	LENGTH	TRANSMISSION
	mm	mm	mm	%
Satiné-Blend natural				
VRS 1700-3	3	1700	3050	66

DRAWING



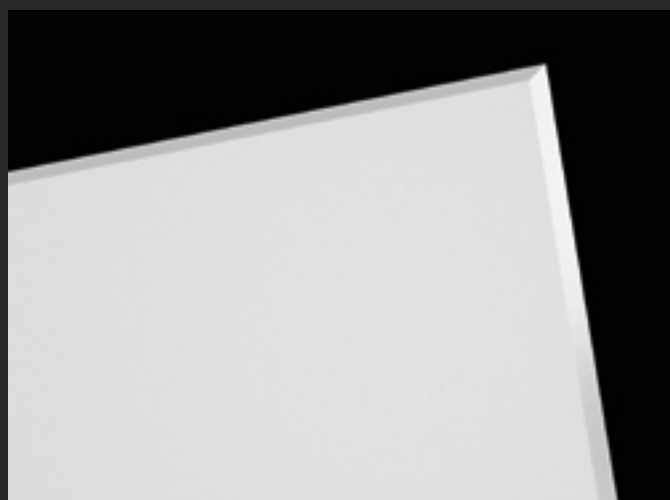
BWF *side*LIGHT

The perfect light guide

BWF sideLIGHT sheets serve as **light guides** for modern, flat lighting systems.

The 6 mm thick BWF sideLIGHT sheet allows a homogeneous surface illumination with LED light fed in from the side. A combined use of the light-conducting plastic sheet – depending on the application – is possible.

Combine our sideLIGHT sheet either with our BWF colourLED® diffuser sheet in 1mm for particularly homogeneous light surfaces or use our BWF diamondPRISM® sheet for ideal, glare-free light due to the outstanding properties of our microprismatic sheet.



BWF sideLIGHT sheet

GENERAL INFORMATION

- homogeneous light distribution on the sheet surface
- BWF sideLIGHT sheets can be combined with:
 - BWF colourLED® sheets
 - BWF diamondPRISM® sheet

FIELDS OF APPLICATION

- light guide for modern, flat lighting systems
- optimized for applications with a maximum width of 200 mm

MATERIAL	WALL THICKNESS b	MAX. WIDTH a	LENGTH
	mm	mm	mm
VRY 1010-6	6	1010	3050

DRAWING	
---------	--

General Information

Special terms and conditions for stock items

The products contained in the catalogue are available from stock. Subject to prior sale of the stock. All sheets contained in the catalogue are also available in other materials and in the colours of your choice, provided that the minimum quantity required for production purposes has been purchased.

TERMS OF PAYMENT

We reserve the right to process initial orders against prepayment. The minimum order value per invoice is 1,000 €, with a minimum of 100 € per item.

TERMS OF DELIVERY

Ex works, packaging and insurance charged.

Samples are available upon request.

Customary deviations in dimension, weight and colour are reserved.

Please submit any complaints within 10 days of receipt of the goods, stating the part number and invoice number; differences in dimensions and other complaints can only be considered if the part in question is unprocessed and provided in its original packaging.

All technical and practical support provided by BWF Profiles is to the best of our knowledge. It is a recommendation only and does not make BWF Profiles take any liability for further steps in the lifetime of our products, especially not with regards to rights of third parties.

DISCLAIMER

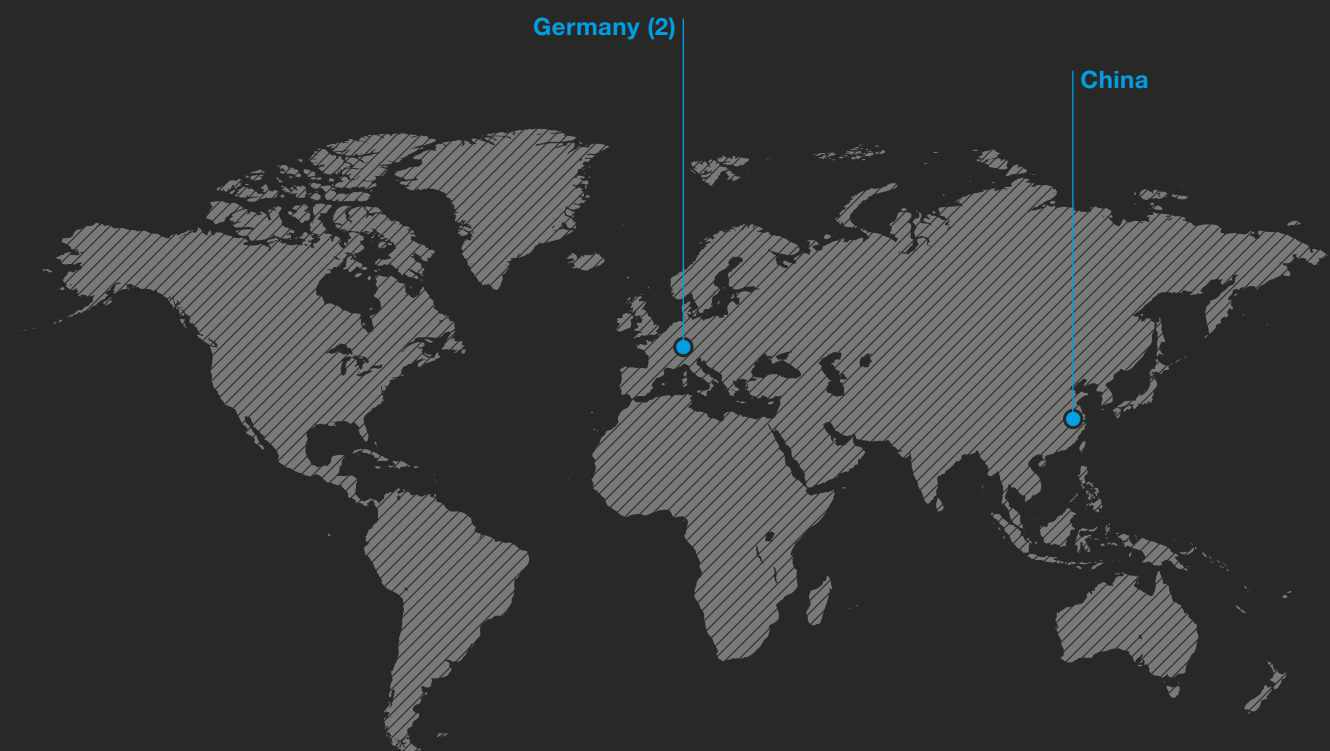
This catalogue contains, among other things, information and data from raw material manufacturers. They serve the sole purpose of providing information about the manufacturer's specifications for the raw material used. BWF Profiles does not take any warranty for this information and data. The correspondence of the raw material with this information and data is especially not part of the guaranteed condition of BWF Profiles. BWF Profiles takes liability for the quality of their products exclusively in accordance with their own terms and conditions and for the quality guaranteed therein and afterwards.

In addition, the general terms and conditions of BWF Kunststoffe GmbH & Co. KG shall apply which you can find on www.bwf-profiles.com.

BWF Profiles Sites

Globally operating for you

BWF Profiles is located at three production sites. Due to our international sales partners we are globally entrenched.



BWF Kunststoffe GmbH & Co. KG
Bahnhofstraße 20
89362 Offingen
Germany
T + 49 8224 71-0
info@bwf-profiles.com

www.bwf-profiles.com

tkf Technische Kunststoff-Teile GmbH
Bürgermeister-Graf-Ring 25
82538 Geretsried
Germany
T + 49 8171 4338-0
F + 49 8171 4338-16
info@bwf-thermoforms.com

www.bwf-thermoforms.com

BWF Profiles (Wuxi) Co., Ltd.
No. 77, Xin Mei Road
Wuxi National Hi-tech Industrial
Development Zone
214028 Wuxi, Jiangsu Province
P.R. China
T + 86 510 853-22289
F + 86 510 853-22155
info@bwf-profiles.cn

www.bwf-profiles.cn

