

# X-black 510F

# BEWI

## X-black 510F

BEWI RAW has developed a range of special EPS which combines excellent insulation properties with strong colours.

It is particularly suited as a base material for moulding housings for appliances, fish boxes and horticultural packaging

Bulk Density	ISO 1183	g/cm <sup>3</sup>	0,66
Pentane Content		%	Typical 4,5-5,5 %
Moisture absorption		%	< 0,1%
Size range 90% between	Sieving	mm	0.8-1.2 mm

Extensive test have shown that unlike with conventional technology X-black 510F, has identical properties to traditional EPS, with regard to compressive strength, bending strength and thermal insulation values.

PHYSICAL PROPERTIES	TEST METHOD	UNITS	SPECIFICATION			
Colour and Form			Specified by customer			
Typical maximum temperature to which parts can be exposed.	ISO 2796-1980	°C	Short term	Long term	Thermal Insulation mW/Mk*	Type
			85	70	33	Regular EPS
Compressive strength	EN 826	kpA	At 20 kg/m <sup>3</sup> , 110 kpA, at 25 kg/m <sup>3</sup> 140 kpA			
Bending strength		kpA	At 20 kg/m <sup>3</sup> , 250 kpA at 25 kg/m <sup>3</sup> 330 kpA			

\* at 30 kg/m<sup>3</sup>

X-black 510F has very good dimensional stability and combines high strength with high stiffness.

X-black 510F is best used in wall thicknesses of 5 mm and higher.

X-black 510F has excellent cushioning properties.

**N.B.** Information contained in this data-sheet is given in good faith and to the best of the knowledge and belief of BEWI RAW is accurate. The properties of plastics set out herein are typical values and do not constitute a specification. It is at all times the responsibility of the customer to ensure that materials supplied by the Company are suitable for the purpose for which they are intended. The Company accepts no liability whatsoever arising out of the use of the information herein contained or the use, application, adaptation or processing of the products herein described.