

CIRCULUM[®]

X-Colour

DESCRIPTION

In our extruder we are able to add pigments to our X-grades to produce coloured EPS.

APPLICATIONS

We are producing different colours on request.
Our current program consist of Blue, Orange, Grey and Black.

Grade names are named X-xyz-colour
x: Strength of the colour
yy: Indication of average beadsize mm
z: R for Regular and F for flame retardant

Current grades (developed for downstream)

X-510F Black
X-209R Blue
X-414F Orange
X-209R Grey

PROCESSING

The processing conditions of **X-Colour** is comparable with white EPS.

Density is an important parameter for Colour.
Usually we make colour samples at different densities to agree upon colour variation with the costumer.

TECHNICAL INFORMATION

TYPICAL PHYSICAL PROPERTIES

Raw material	Value	Unit	Test method
Pentane content	5 *	%	Gas chromatography
Monomer level	< 0.1	%	Gas chromatography
Average beadsize	0.8 – 1.8 **	mm	Image analyser

*Depending on the application
 ** 90% between : x12 1.0-1.4 mm/ x11 0.9-1.4 mm /x10 0.8-1.2 mm /x09 0.7-1.1 mm

End product

	15 kg/m ³	20 kg/m ³	30 kg/m ³	40 kg/m ³
Compressive stress (10 %), (kPa), EN 826	80	120	200	280
Bending strength, (kPa), EN 12089	175	240	380	560
Heat conductivity (λ_{10}), (W/mK), EN 12667	0.037	0.034	0.032	0.032

STORAGE

X-Colour should be stored below 20°C. Protect from direct sunlight and other weather conditions (rain, wind, frost etc.). Keep away from any source of ignition. The storage time should not exceed three months. After opening of the packaging, it should be used as soon as possible.

SAFETY

In transport **X-Colour** is classified according to European regulations for product transport: Substance number UN2211, Class 9.

During the processing, avoid generating dust. All equipment should be properly earthen. Releasing pentane during processing might form a flammable/explosive vapour-air mixture. Use proper ventilation and keep away from any source of ignition. A Safety Data Sheet is available on request.

RECYCLING

X-Colour is suitable for recycling using modern methods of grinding, cleaning and regranulation. In-house production waste should be kept clean to facilitate direct recycling.

Please contact your BEWI RAW BV representative for more details on various aspects of safety, recovery and disposal of the product.