

PRODUCT DESCRIPTION

FutureFlex™ is a compressible, flexible, closed-cell polyethylene joint filler supplied in sheets slit to custom specs. The sheets are resistant to most chemicals, non-staining and has high weathering and ozone resistance. This foam is also lightweight, clean, easy to use, strong and non-absorbent. A 10mm high perforated edge (zip) allows for easy removal of top edge once installed thus allowing for backing rod and cork-

ADVANTAGES

- Non-absorbent
- Free of CFC
- Can be easily cut at any site
- Foam recovers excellently after compression
- Won't rot
- Good anti-permeability
- Acid, alkali, salt, oil, corrosion resistance
- Lightweight
- Good aging properties
- Won't wilt under the high temperature, nor brittle at low temperatures
- Does not extrude from joint movement
- Suitable for submerged surfaces or regularly trafficable areas
- Extremely Durable
- Comes with a 10mm high perforated edge (zip) that allows for easy removal of top edge once installed thus allowing for backing rod and corking.



APPLICATIONS

- Dams
- Ports
- Hydropower stations
- Airports
- Runways
- Train and car tunnels
- Underground flood protection projects
- All concrete excluding / retaining structures
- Below ground cellars / basements
- Large grounded / suspended concrete slabs

PHYSICAL PROPERTIES

Grade: PE30

PE Polyethylene Foam adhesive / non-adhesive
 backing

Sheet Dimension: 1200mm x 2400mm

Thickness: 10mm, 15mm, 20mm

Custom slitting available

Hardness (°)	(°) Shore C	20
	Shore 00	40-25
Elongation Ration		180%
Tensile Strength		2.0 kg/cm ²
Tear Strength		1.5 kg/cm
Compression Strength		0.2 kg/cm ² @ 25% deflection
Compression Set		8%
Compression Deflection		5kPa
Density		30±5 kg/m ³
Thermal Conductivity		0.030 W/m/°C
Total Volatile Organic Compound Specific Area Emission Rate		0.06 mg/m ² /hr
Water Absorption		0.01 g/cm ³
Linear Shrinkage		±5%
Operating Temperature		-30° to +80°max
Flammability CNS1048A2165		60/120 30mm p/min UL94 HF-2 - PASS (UL94-1997)
Sizes Available		(3mm-100mm) x 2400 x 1200
Standard Colour		Black only

PHYSICAL PROPERTIES

Grade: PE70

PE Polyethylene Foam

Sheet Dimension: 1100mm x 2000mm

Thickness: 10mm, 15mm, 20mm

Custom slitting available

Hardness (°)	(°) Shore C	30~35
	Shore 00	
Elongation Ration		140%
Tensile Strength		355 Kpa
Tear Strength		1.5 kg/cm
Compression Strength		0.40 kg/cm ² @ 25% deflection
Compression Hardness		40 Kpa
Compression Set		8%
Compression Deflection		
Density		70±5 kg/m ³
Thermal Conductivity		0.036 W/mk
Water Absorption		0.001 g/cm ³
Linear Shrinkage		±5%
Operating Temperature		-30° to +80°
Flammability CNS1048A2165		45mm/60sec
UL94 HF-1 (UL94-1997)		N/A
Standard Colour		White, Black, Grey, Red, Violet, Blue, Green, Yellow, Golden, Pink, Light Blue

PHYSICAL PROPERTIES

Grade: PE100

PE Polyethylene Foam adhesive / non-adhesive backing

Sheet Dimension: 2000mm x 1000mm

Thickness: 10mm, 15mm, 20mm

Custom slitting available

Hardness (°)	(°) Shore C	45~50
	Shore 00	77-83
Elongation Ration		90%
Tensile Strength		13.2 kg/cm ²
Tear Strength		4.5 kg/cm
Compression Strength		1.20 kg/cm ² @ 25% deflection
Compression Set		3.2%
Compression Deflection		
Density		95±5 kg/m ³
Thermal Conductivity		
Water Absorption		0.01 g/cm ³
Linear Shrinkage		±8%
Operating Temperature		-50° to +75°
Thermal Rating		0.045 kcal/(h m oC)
Flammability – FMVS302		Pass
Flammability CNS1048A2165		Burn rate 37.6mm/60sec
Standard Colour		Black, White