



**Excel Packaging & Insulation Co. Ltd**

The family run specialist manufacturer of custom-made protective packaging.

# Envirafoam<sup>®</sup> EP



Envirafoam EP contains **30%** of recycled content coming from PCR (post-consumer recycled) polyethylene and recycled .

## Physical properties

	Test method	Typical result
Length (mm)	ISO 1923	≥ 2,000
Width (mm)	ISO 1923	≥ 1,200
Thickness (mm)	ISO 1923	≥ 150
Density (kg/m <sup>3</sup> )	ISO 845	20
Compressive strength 25% strain (kPa) 50% strain (kPa)	ISO 7214	55 100
Tensile strength (kPa) Tensile elongation (%)	ISO 7214	300 40
Compression set Stabilising 30min (%) Stabilising 24h (%)	ISO 7214 25% - 22h loading	18 3
Compression set Stabilising 30min (%) Stabilising 24h (%)	ISO 7214 50% - 22h loading	38 6
Tear strength (N/cm)	ISO 8067-B	20
Hardness Shore 00	ISO 868	51
Water absorption (%)	DIN 53428	< 1
Thermal conductivity (W/(m.K)) Test temperature 10°C Test temperature 23°C	ISO 8301	0.038 0.040
Service temperature (°C)	Internal	90
Flammability	FMVSS302 (Burn rate <100mm/min)	Pass