

ACOUSTIC PAD

DATA SHEET



Product Identifier

Product form	Granulate
Name	Beocycle TPE INJ546
Product code	98070005476
Application	Injection moulding
Composition	100% recycled material



Details of the material sheet manufacturer

New Era Ltd

Units 1, Southern Cross Trading Estate, 2 and 3 Beeding Close, Bognor Regis PO22 9TS

Processing Conditions - Guidelines

Hopper	40-60°C
Feeding zone	155-165°C
Compression zone	165-175°C
Metering zone	175-185°C
Nozzle	185-195°C
Mold temperature	30-55°C

Physical, Mechanical and Thermal Properties

Properties ⁽¹⁾	Method	Typical Value	Unit
Physical state		Solid	
Relative density	ISO 1183-1	0.88 - 0.98	g/cm ³
MFI	ISO 1133-1	5	
Coloured in mass	(190°C, 2, 16kg)	No	g/10min
Coloured material		Brown	
UV package		No	
Shore A		93	
Carbon footprint ⁽²⁾	PAS2050	0,730	kg CO ₂ Eq/ kg
Shelf Life ⁽³⁾		6	Months
Mechanical			
Tensile modulus	ISO 527	104	MPa
Tensile strength	ISO 527	7, 9	MPa
Elongation at break	ISO 527	144	%
Flexural modulus	ISO 178	93, 4	MPa
Charpy impact strength	ISO 179	No break	kJ/m ²
	(Unnotched 1eU, 23°C)	No break	kJ/m ²
	(Notched 1eA, 23°C)		