Technical Data Sheet

HIGH-PERFORMANCE PLASTIC BALING WIRE / REELS / 235 kg

EcoWire™ is a high-performance plastic baling wire made from 100% recycled polymer and engineered with Accent's patented technology. Designed for industrial baling applications, it offers consistent tensile performance, controlled elongation and dependable knot retention. Produced to tight dimensional tolerances, EcoWire™ provides uniform feeding and stable behaviour under tension. In suitable applications, it is designed to match or exceed steel baling wire performance while supporting cleaner handling, reduced machine wear and a significantly lower CO_2 footprint.

100%	420–440 kgf	UP TO 12,000 m
RECYCLED POLYMER	TENSILE	PER SPOOL

PRODUCT IDENTIFICATION

Product name	EcoWire™ (Reels)
Product code	15-PLASLOC-4-235
Reference document	A.TDS2.PL+(r) | Version 1.002 | 07/08/2026

TECHNICAL PROPERTIES

Size / width	4.00 mm × 4.00 mm (square)
Finish	Green coloured polymer finish
Material	100% recycled polymer
Elongation	20–30% at break
Diameter tolerance	4 mm^2 (±0.15 mm)
Length tolerance	± 12,000 m per spool
Tensile	420–440 kgf
Length and weight	Up to 12,000 metres per spool; approximately 235 kg

REEL DIMENSIONS & PACKAGING

Empty reel weight	Approximately 30 kg (metal reel)
External reel diameter	1,100 mm
Internal reel diameter	240 mm
Reel height	430 mm
Supply format	Spools pre-loaded onto reels; maximum four reels per pallet
Transport protection	Spools secured to the reel by tying the wire to the reel leg. Start End labelled. Pallets shrink-wrapped and secured with plastic banding.

Handling, storage & compliance

APPLICATIONS AND USE

Securing bales in recycling facilities (RDF, paper, cardboard, plastic, metals etc.). Ensure that the baler is compatible with the specific wire gauge and tensile strength.

STORAGE AND SHELF LIFE

Storage conditions	Store indoors in dry, covered conditions away from corrosive substances.
Shelf life	Indefinite under proper storage conditions.
Environmental exposure	Prolonged exposure to direct sunlight or moisture / rain may alter wire performance. Corrosive environments or atmospheric conditions may reduce product service life.

ESSENTIAL HANDLING AND SAFETY INFORMATION

- Reels must NOT be transported using clamp trolleys or clamp-type lifting equipment. If the reel centre is damaged, the reel is immediately deemed unusable.
- Remove, lift and transport reels ONLY with approved chains and/or hooks via an overhead crane or forklift truck. Attach hooks directly to the metal reel frame.
- Only trained, authorised personnel may unload and handle reels; use mechanical lifting equipment rated for the load being handled. The source specifies lifting equipment rated for 235 kg+.
- Inspect the load, pallet and reel for damage before movement. Do not stack pallets; do not roll, drop or drag reels. Keep the work area stable and clear.
- Wear appropriate PPE, including cut-resistant gloves, protective footwear and eye protection where wire tension or snap-back risks exist.
- Secure and align the reel in the payoff stand before removing any retaining straps. Identify and maintain control of the red-tagged Start End; uncontrolled release can cause wire tangling.
- Do not commence operation with personnel in the line of pull. Follow site health and safety policies, risk assessments and baler manufacturer instructions.

PRODUCT SAFETY AND COMPLIANCE

The source TDS describes the product as not hazardous under normal handling conditions and containing no hazardous chemicals pertaining to COSHH substances.

Management systems	ISO 9001:2015 — Quality Management System ISO 14001:2015 — Environmental Management System
Technical enquiries	hbussey@accentwire.co.uk

Technical data are transcribed from the supplied PlasLOC+ (Reels) TDS, A.TDS2.PL+(r), v1.002. Product branding updated to EcoWire. This two-page sheet does not replace the full handling and installation procedure.