TECHNICAL DATA SHEET

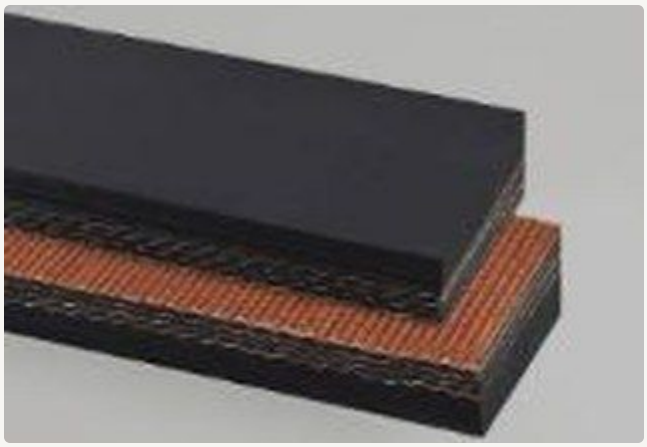
# OKBE10530

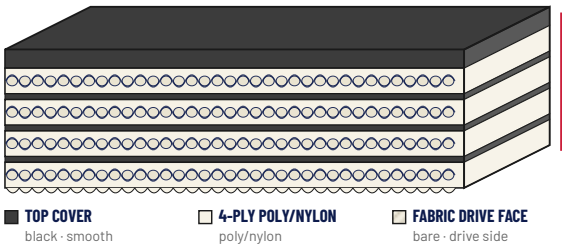
4 Ply 440 1/4in x Bare
440 PIW

ORIONTEK
ENGINEERING GOOD SOLUTIONS

## 01 CONSTRUCTION

| | | | | |
|---|---|---|---|---|
| TOP COVER | Compound | | | **Black SBR** |
| | Thickness | **1/4** in. | *6.35* *mm* | |
| | Surface | | | **Smooth** |
| | Colour | | | **Black** |
| CARCASS | Fabric | | | **Poly/Nylon** |
| | Number of plies | | | **4** |
| BOTTOM | Compound | | | **Poly/Nylon** |
| | Surface | | | **Bare** |






CROSS-SECTION — NOT TO SCALE

**GAUGE 1/2 IN. / 12.70 MM**

## 02 TECHNICAL SPECIFICATIONS

| | | | | |
|---|---|---|---|---|
| Overall gauge | **1/2** | in. | *12.70* | *mm* |
| Unit weight | **0.2400** | lb/PIW | | |
| Tension rating | **440** | PIW | *77.0* | *N/mm* |
| Temperature — minimum [1] | **–25** | °F | *–32* | *°C* |
| Temperature — maximum [1] | **225** | °F | *107* | *°C* |

## 03 MINIMUM PULLEY DIAMETER [2]

| | | | | |
|---|---|---|---|---|
| ■ Head pulley @ 80–100% tension | **24.00** | in. | *609.60* | *mm* |
| ■ Head pulley @ 60–79% tension | **20.00** | in. | *508.00* | *mm* |
| ■ Head pulley @ ≤59% tension | **16.00** | in. | *406.40* | *mm* |
| ■ Tail pulley | **16.00** | in. | *406.40* | *mm* |

## 04 SPLICING & FASTENERS

| | |
|---|---|
| Splice process | **Step Hot** |
| Step size | **8.00 in.** |
| Plate / rivet fastener | **BR-6/R5-1/2** |

**Oriontek service:** supplied endless-joined, open-length or fabricated with profiles, sidewalls, cleats and V-guides. Onsite splicing available.

**NOTES** [1] Operating the belt at its limit values may reduce service life. [2] Minimum pulley diameters depend on belt tension and on the splice or fastener specified by Oriontek. All values are nominal.

**DISCLAIMER** Values are nominal. They describe the product as tested and do not necessarily reflect conditions of industrial use, nor do they guarantee suitability for a specific application. The customer remains responsible for correct selection and use. Oriontek cannot be held liable for damages arising from use of this product. Specifications may be revised without prior notice.