TECHNICAL DATA SHEET

OKBE27609

1 Ply 440 1/4in x 1/8in Straight Warp Grade-I
440 PIW

ORIONTEK
ENGINEERING GOOD SOLUTIONS

01 CONSTRUCTION

TOP COVER	Compound		**Black Grade 1**
	Thickness	**1/4** in.	*6.35 mm*
	Surface		**Smooth**
	Colour		**Black**
CARCASS	Fabric		**Poly/Nylon**
	Number of plies		**1**
BOTTOM	Compound		**Black Grade 1**
	Thickness	**1/8** in.	*3.17 mm*
	Surface		**Smooth**

02 TECHNICAL SPECIFICATIONS

Overall gauge	**33/64**	in.	*13.10*	*mm*
Unit weight	**0.2700**	lb/PIW		
Tension rating	**440**	PIW	*77.0*	*N/mm*
Temperature — minimum [1]	**–40**	°F	*–40*	*°C*
Temperature — maximum [1]	**140**	°F	*60*	*°C*

03 MINIMUM PULLEY DIAMETER [2]

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





■ **TOP COVER** black · smooth
□ **1-PLY POLY/NYLON** poly/nylon
□ **BOTTOM COVER** smooth · drive side

CROSS-SECTION — NOT TO SCALE

GAUGE 33/64 IN. / 13.10 MM

04 SPLICING & FASTENERS

Splice process	**Finger**
Step size	**0.00 in.**
Plate / rivet fastener	**#BR-10/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.