

## CHR<sup>®</sup> 2302 BKL series

UHMW Polyethylene (Black) Tape with Acrylic Adhesive



### Features

- **Excellent abrasion resistance.**
- **Provides excellent self-lubrication property**
- **Low coefficient of friction.**
- **Can be used to provide an anti-stick, anti-friction surface at temperatures up to 107° C.**
- **More economical than PTFE tapes.**

### Typical Physical Properties

	VALUE	ASTM METHOD
<b>MECHANICAL</b>		
Tensile Strength, psi (5-10 mil T)	5,500	D638/D882
Flexural Creep Modulus, psi	110,000	Bend Creep Test, 1min.
Tensile Impact Strength, ft-lb/in	1,450	D1822
Elongation at break, %	300	D638/D882
Density, (gm/cm <sup>3</sup> )	0.93 - 1.03	D792
Shore Hardness D	64 - 67	D2240
<b>THERMAL</b>		
Heat Distortion Temperature	95° C	D1637
Melt Temperature Range	135-138° C	---
Coefficient of Linear Thermal Expansion, ° C <sup>-1</sup> Between 20 and 100 ° C	2 x 10 <sup>-4</sup>	D696
<b>GENERAL</b>		
Water Absorption, %	<0.05	D570
Friction Properties	0.15-0.20	D1894
UHMW vs. Mild Steel, Static Dynamic	0.12-0.20	
Total thickness	0.11, 0.17, 0.29, 0.39	mm

Properties	Value		
	Materials	After 15 min. (N/cm)	After 24 hours (N/cm)
Peel Adhesion on different surfaces (Test method: JIS-Z-0237)	Stainless steel	6.4	8.2
	Aluminum	5.4	7.1
	PC	5.7	7.0
	ABS	5.6	7.5
	PET	4.7	6.2
	PVC	5.2	8.2
	PE	2.8	4.8
	PP	3.1	4.2
	Holding Power at 40 oC (Test method: JIS-Z-1528)	Stainless	0.8 mm
ABS		1.0 mm	
PE		1.2 mm	

\*Above properties are typical values and should not be used for writing specifications.

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