

BSR

BSR 胶带专为满足汽车行业需求而设计，有助于消除汽车内饰的嗡嗡声、吱吱声和嘎嘎声问题。

BSR 胶带可消除不同材料之间的磨损和噪音，减少保修问题，允许相邻部件之间移动，保护漆面，减少划痕并延长车辆使用寿命。
BSR 胶带易于模切，以适应现有设计。



AVAILABLE THICKNESS

.003" (.076 mm), .005" (.127 mm), .010" (.25 mm), .015" (.38 mm), .020" (.5 mm)

AVAILABLE WIDTHS

All dimensions between 1/4" (6.35 mm) and 24" (610 mm)

UHMW PROPERTIES

- 采用丙烯酸粘合剂粘合
- 优异的耐磨性
- 极高的抗冲击强度
- 有自然色和黑色可选
- C05 和 C10 有黑色可选
- 自然色符合 FDA 和 USDA 准则
- 不吸湿
- 自润滑 – 无需油或润滑剂
- 优异的降噪性能
- 耐化学性和耐腐蚀性
- 在 -30°C 下仍能保持性能和特性
- 符合 ASTM-D-4020 标准
- 低摩擦系数
- 符合 UL 94 HB 可燃性等级

MECHANICAL PROPERTIES	Test Method	Units Metric(u.S.)	UHMW Thickness Gauges		
			.005"	.010"	.020"
Density	ASTM-D 792	gm/cc	0.93	0.93	0.93
Tensile Strength @ Yield	ASTM-D 638	MPa/psi	22.5	22.1	20.9
Tensile Strength @ Break	ASTM-D 638	MPa/psi	62.2	64.9	56.7
Elongation @ Break	ASTM-D 638	%	356	350	360
Youngs "E" Modulus	ASTM-D 638	MPa/psi	642	564	570
Izod Impact Strength	ASTM-D 256	J/m (ft-lb/in notch)	N/A	N/A	N/A
Hardness Shore "D"	ASTM-D 2240		55	58	63
Water Absorption	ASTM-D 570	%	0.04	0.01	0.02
Rel. Solution Viscosity	ASTM-D 4020	dl/gm	2.3 - 3.5	2.3 -3.5	2.3 -3.5
Coefficient of Friction	ASTM-D 1894	Static	0.4	0.47	0.4
Coefficient of Friction	ASTM-D 1894	Dynamic	0.39	0.41	0.38
Coefficient of Linear Thermal Expansion	ASTM-D 831	°C	N/A	N/A	N/A

UHMW THERMAL PROPERTIES	ASTM Test	Units Metric (U.S.)	UHMW Thickness Gauges		
			.031"	.062"	.125"
Crystalline Melting Range	Polarizing	°C(°F)	136 (276)	134 (273)	134 (273)
Crystallinity	D3417-96	%	48	47	50

UHMW ELECTRICAL PROPERTIES	ASTM Test	Units Metric (U.S.)	UHMW Thickness Gauges		
(For Conductive Black Only)			.031"	.062"	.125"
Volume Resistivity	D257	Ohms/cm	5.9544x10 ⁷	1.4516x10 ⁷	>2x10 ⁷
Dielectric Strength	D150	Kv/cm(V/mil)	*	*	142
Dielectric Constant	D150		2.481	2.454	2.542
Surface Resistivity	D257	Ohms	10 ³	10 ³	10 ³
Static Decay		Seconds	<.01	<.01	<.01
Dissipation Factor					
At 50Hz	D150		0.0594	0.0213	0.0082
At 10KHz	D150		0.1085	0.0690	0.0022
At 5MHz	D150		0.1035	0.2340	0.0034

Comparison of Dynamic Coefficient of Friction on Polished Steel						
Material	UHMW-PE	Nylon 6	Nylon 6/6	Nylon MoS2	PTFE	Acetal Polymer
Dry	.10 – .22	.15 – .40	.15 – .40	.12 – .20	.04 – .25	.15 – .35
Water	.05 – .10	.14 – .19	.14 – .19	.10 – .12	.04 – .08	.04 – .20
Oil	.05 – .08	.02 – .11	.02 – .11	.08 – .10	.04 – .05	.05 – .08

* No reading could be taken due to material thickness