



POLYSLICK® CDE (POLYSLICK® 501/ 502)



PRODUCT CAPABILITES:

- Rod: 3/8" - 4"
- Sheet: 1/4" - 4"

ADVANTAGES:

- Long-wearing
- High Impact Strength
- Light In Weight
- Self-lubricating
- Abrasion and Corrosion Resistant
- High Abrasion Resistance
- High Impact Resistance

PRODUCT COLORS:

- Black

APPLICATIONS INCLUDE:

- Dock Bumpers
- Protective Linings
- Conveyor Parts
- Bottling Wheels
- Bushings and Bearings
- Machined Parts
- Wear Strips
- Many Others

GENERAL PROPERTIES	ASTM or UL Test	POLYSLICK® CDE (POLYSLICK® 501/ 502) Typical Values
PHYSICAL & MECHANICAL		
Density (g/cm ³)	D792	0.932
Tensile Strength @ Yield (psi)	D638	3,500
Elongation at Break (%)	D638	300
Coefficient of Friction, Static	D1894	0.2
Coefficient of Friction, Kinetic	D1894	0.15
Abrasion Resistance	-	10
IZOD Impact Strength (KJ/m ²)	D4020, Method A	>100
Durometer Hardness	D2240	64 Shore D
Water Absorption @ Saturation (%)	D570	0.01
THERMAL		
Melting Point (°F)	-	271
Coefficient of Linear Thermal Expansion (in/in/°F)	D696	8.3 x 10 ⁻⁵
Flammability, UL 94	1/8 inch	HB
ELECTRICAL		
Dielectric Strength	D149	N/A
Dielectric Constant	D150	N/A
Volume Resistivity	D257	N/A
Polyslick® CDE/501, AS UHMW, Surface Resistivity (ohm)	D257	>1 x 10 ⁷
Polyslick® CDE/502, UHMW, Surface Resistivity (ohm)	D257	>1 x 10 ⁴

NOTE: The information contained here in is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.