

PRODUCT INFORMATION – SPECIFICATION DATA SHEET
OKUSLIDE - Premium blue 589

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OKULEN® OKUSLIDE – Premium Blue 589 is a Ultra-High-Molecular-Weight-PolyEthylene (UHMW-PE polymer). By adding of special additives it possesses a low coefficient of friction. The improved low coefficient of friction (non-stick surface) makes this material ideal for lining applications were sticking or caking creates a build up of material. In such application were there is a material flow problem, time and money is at a loss. Our UHMW-PE liner will help you solve these problems.

Properties: excellent sliding properties
 low coefficient of friction
 good notched impact strength
 no sticking or caking of bulk materials
 UV-stabilized

Color: blue no. 589

Application fields: truck liners
 conveyor industry (earth moving equipment)
 bulk goods handling
 gypsum industry / cement industry

Characteristics and standard values

Physical Properties	Method	Unit	Value
Density	ISO 1183-1	g/cm ³	0.93
Abrasion (Sand-Slurry-Test)	ISO/DIS 15527	%	ca. 80
Notched impact strength (Charpy)	ISO 11542-2	mJ/mm ²	> 100
Tensile strength	ISO 527	N/mm ²	> 17
Break elongation	ISO 527	%	> 50
Coefficient of friction	ASTM 1894	static μ	0.15
		dynamic μ	0.09
Shore-Hardness	ISO 868	D	61
Water absorption		%	< 0.1
Thermal Properties			
Coefficient of linear expansion	ISO 11359	23 – 80°C	≈ 2.0 x 10 ⁻⁴ /°C
Operation temperature	---	°C	-40 up to 80°C

The above data are based on the present knowledge and are given without guarantee.
Existing laws and conditions are to be respected by the user of our products.

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