

PRODUKT INFORMATION – SPECIFICATION SHEET  
OKUSLIDE - Premium Blue 5893

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**OKULEN® OKUSLIDE** – Premium Blue 5893 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 where sticking or caking creates a build up of material. In such application where 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
- very good wear resistance
- probably no sticking or caking of bulk-materials
- UV-stabilized

Colour:

blue

OK-FN: 5893

Range of applications:

Truck liners

Conveyor industry (earth moving equipment)

Characteristics and standard values

Physical Properties	Method		Unit	Values
Density	DIN-EN-ISO 1183-1	(05/2004)	g/cm <sup>3</sup>	> 0.93
Abrasion (Sand-Slurry-Test)	ISO 15527	(10/2007)	%	ca. 80
Notched Impact Strength (Charpy)	DIN-EN-ISO 527-2	(07/1996)	mJ/mm <sup>2</sup>	> 100
Tensile strength	DIN-EN-ISO 527-2	(07/1996)	N/mm <sup>2</sup>	> 17
Break elongation	DIN-EN-ISO 527-2	(07/1996)	%	> 50
Coefficient of friction (Plastic / Metal Rz 2,5)	ASTM D1894	(06/2006)	Static μ Dynamic μ	0.15 0.09
Shore-Hardness, 3-sec.-value 6 mm Plate	DIN-EN-ISO 868	(10/2003)	D	62
Water absorption			%	< 0.1
<b>Thermal Properties</b>				
Melt point DSC	DIN-EN-ISO 11357	(03/2010)	°C	135 - 137
Permanente operation temperature, max.	---		°C	80
Coefficient of linear thermal expansion	ISO 11359		23 – 80°C	≈ 2.0 x 10 <sup>-4</sup> /°C
Flammability	UL 94		Class	HB
<b>Electrical Properties</b>				
Volume resistivity	IEC 60093	(12/1993)	Ω * cm	> 10 <sup>14</sup>
Surface resistivity	IEC 60093	(12/1993)	Ω	> 10 <sup>13</sup>

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. The decision about the suitability of a material for a certain application must be made by the user. We reserve the right to alter the indicated data. The indicated values are for a 15 mm thick sheet.

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