

PRODUCT INFORMATION - SPECIFICATIONSHEET
OK 2000 - blue 588

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OKULEN[®] OK 2000 - blue 588 is a UHMW-PE (9,2 mio. g/mol). By adding a special filler we can improve the wear resistance to achieve an even better coefficient of friction. It is designed as a lining material with superior quality, and therefore, is ideal for material flow problems.

Properties: good sliding properties
 improved low coefficient of friction
 good notched impact strength
 very good wear resistant
 BfR approved (LII)

Color: blue no. 588

Application fields: bulk goods handling
 Conveyor industry
 Earth moving conveyors
 Chuts, Hoppers, Silos, buckets etc.

Characteristics and standard values

Physical Properties	Method	Unit	Value
Density	ISO 1183-1	g/cm ³	0.94
Abrasion (Sand-Slurry-Test)	ISO/DIS 15527	%	74
Notched Impact Strength (Charpy)	ISO 11542-2	mJ/mm ²	> 120
Tensile strength	ISO 527	N/mm ²	> 17
Break elongation	ISO 527	%	> 50
Creep properties under varying compressive stress < 10 % in 7 days	max.	N/mm ²	10
Coefficient of friction	ASTM 1894	static μ	0.16
		dynamic μ	0.12
Shore-Hardness	ISO 868	D	64
Water absorption		%	< 0.1
Thermal Properties			
Melt point DSC	ISO 3146	°C	135 - 137
Permanente operation temperature, max.	---	°C	80
Coefficient of linear expansion	ISO 11359	23 – 80°C	≈ 2.0 x 10 ⁻⁴ /°C
Electrical Properties			
Volume resistivity	IEC 60093	Ω*cm	< 10 ¹⁴
Surface resistivity	IEC 60093	Ω	< 10 ¹³

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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