

PRODUCT INFORMATION - SPECIFICATIONSHEET
OK 2000 - AL 799

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OKULEN® OK 2000 – AL (Advanced lubricant) is a extremely wear resistance material with special additive for excellent gliding properties (UHMW-PE with a mol weight of 7 - 9 Mio). By using this special additive the material has a very low coefficient of friction, which makes it possible to work with reduced driving power and higher gliding speed.

Properties: good wear resistant
very good sliding properties
improved low coefficient of friction
good chemical resistance
low maintenance
longer life time over standard UHMW PE
good noise reduction
FDA & BfR approved

Color: grey no. 799 (similar to RAL 7046)

Application fields: Conveyor industry
Machine construction

Characteristics and standard values

Physical Properties	Method	Unit	Value
Density	ISO 1183-1	g/cm ³	0.94 – 0,95
Abrasion (Sand-Slurry-Test)	ISO/DIS 15527	%	100
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 dynamic μ	0.11 0.08
Shore-Hardness	ISO 868	D	62
Water absorption		%	< 0.1
Thermal Properties			
Melt point DSC (PE-UHMW)	ISO 3146	°C	135 - 137
Melt point DSC (Additives)	ISO 3146	°C	56 - 60
Permanente operation temperature, max.	---	°C	80
Coefficient of linear expansion	ISO 11359	23 – 80°C	≈ 1,8 - 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.

Ottensteiner Kunststoff GmbH & Co. KG •

P.O. Box 3151 • D-48672 Ahaus
Phone (02561) 9824-0 • Fax (02561) 98 24 99
Internet: www.okulen.com

sheet and finished products

Im Garbrock 39
D-48683 Ahaus-Ottenstein/Germany
E-Mail: info@okulen.com