

## PE-UHMW PLASTICS

### PRODUCT INFORMATION - SPECIFICATIONSHEET PE 2000 - DryRun No. 912

**Multilene®** PE 2000 - DryRun 912 is a superior UHMW Polymer (9,2 mio. g/mol). This special material was designed for the packaging and machine industry. Excellent for use in dry run conveyor applications. The antistatic filler reduces static build up on fast moving equipment.

**Properties:** reduced coefficient of friction  
 UV-stabilized  
 antistatic reduced  
 noise level reduction!  
 for extremely low speed  
 BfR-approved

**Color:** black no. 912

**Application fields:** conveying industry  
 packaging industry

### Characteristics and standard values

	METHOD	UNITS	VALUE
<b>PHYSICAL PROPERTIES</b>			
Density	ISO 1183-A	g.cm <sup>3</sup>	0,93
Abrasion (Sand-Slurry-Test)	internal method	%	75
Notched Impact Stength (Charpy)	ISO 11542-2	mJ/mm <sup>2</sup>	>100
Tensile strength	ISO 527	N/mm <sup>2</sup>	>17
Break elongation	ISO 527	%	>50
Creep properties under varying compressive stress < 10 % in 7 days	max.	N/mm <sup>2</sup>	10
Coefficient of friction	ASTM 1894	static $\mu$ dynamic $\mu$	0.15 0.08
Shore-Hardness	ISO 868	D	62
Water absorption		%	< 0.1
<b>THERMAL PROPERTIES</b>			
Melt point DSC	ISO 3146	°C	135 - 137
Permanente operation temperature, max.	-	°C	80
Coefficient of linear expansion	ISO 11359	23 - 80°C	$\approx 2.0 \times 10^{-4} / ^\circ\text{C}$
<b>ELECTRICAL PROPERTIES</b>			
Volume resistivity	IEC 60093	$\Omega \cdot \text{cm}$	$\leq 10^6$
Surface resistivity	IEC 60093	$\Omega$	$\leq 10^9$

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.

### sheet and finished products

This information is, to the best of our knowledge, accurate and reliable to the date indicated. The above mentioned data have been obtained by tests we consider as reliable. We don't assure that the same results can be obtained in other laboratories, using different conditions by the preparation and evaluation of the samples.