

TECHNICAL DATA

ISO-LEN® WBS

I. General characteristics			
	Norm	Unit	Value
1. Short sign	ISO 1043-1		PE-(U/)HMW
2. Density	ISO 1183-1	g / cm ³	<0,96
3. Molecular weight		Mio. g / mol	0,5 - 5
4. Water absorption (23 °C)	ISO 62	%	<0,01
II. Mechanical characteristics			
	Norm	Unit	Value
1. Elongation at break	ISO 527-2	%	>300
2. Notched impact strength	ISO 179	kJ / m ²	o. B.
3. Shore D hardness	ISO 868		61 - 65
4. Wear resistance (Sand-Slurry-Test)	ISO 15527	%	>250
5. Friction coefficient		μ	≈0,2
6. Compression strength	ISO 604	MPa	upon request
III. Thermal characteristics			
	Norm	Unit	Value
1. Thermal conductivity at 23 °C	DIN 52612	W / (K x m)	0,4
2. Thermal expansion (long; 23 °C - 60 °C)	ISO 11359-2	10 ⁻⁵ K ⁻¹	5 - 20
3. Flammability	UL 94		HB
4. Melting temperature	ISO 11357	°C	130 - 135
IV. Electrical characteristics			
	Norm	Unit	Value
1. Specific flow resistivity	IEC 60093	Ω x cm	≤10 ¹²
2. Specific surface resistivity	IEC 60093	Ω	≤10 ¹²
3. Dielectric strength	IEC 60243	kV / mm	≤45
V. Additional characteristics			
	Norm	Unit	Value
1. UV-resistance			UV-stabilised

All information is based on our current knowledge. It can therefore be described as applicable to a large extent, but is neither agreed nor guaranteed by this data sheet. On the finished product, some of these properties may differ from the stated values, especially since the data are largely based on data from raw material suppliers.