

## ULPOLEN<sup>®</sup> OIL TECHNICAL VALUES

	Test Method	Unit	Value
<b>General Properties</b>			
Density	ISO 1183	gr/cm <sup>3</sup>	0,955
Molecular Weight		gr/mol	9.2x10 <sup>6</sup>
Mould Composition	EN ISO 11542-1	-	QDC 25-4-5
<b>Mechanical Properties</b>			
Tensile Strength at Break	ISO 527-1	N/mm <sup>2</sup>	21
Tensile Strain at Break	ISO 527-1	%	12
Tensile Modulus of Elasticity	ISO 527-1	N/mm <sup>2</sup>	850
Elongation at Break	ISO 527-1	%	>50
Coefficient of Friction, Dynamic			0,07
Hardness	ISO 868	Shore D	64
Abrasion Resistance	Sand slurry		90
<b>Thermal Properties</b>			
Melting Temperature		°C	133-138
Heat Conductivity	DIN 52612	W/mK	-
Minimum/Maximum Allowable Service Temperature in Air - Short term		°C	-250 / 130
Allowable Service Temperature in Air - Continuous	Depending on operating conditions and pressure	°C	-250 / 80
Coefficient of Linear Thermal Expansion (20°C-100°C)	DIN 53752	1/K	2x10 <sup>-4</sup>
<b>Electrical Properties</b>			
Volume Resistivity	DIN VDE 0303	Ohm.cm	10 <sup>13</sup>
Surface Resistivity	DIN VDE 0303	Ohm	10 <sup>12</sup>
Arc Resistance	DIN VDE 0303	Derece	L4

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