

<b>ULPOLEN<sup>®</sup> TECHNICAL VALUES</b>					
	<b>Test Method</b>	<b>Unit</b>	<b>ULPOLEN<sup>®</sup> 1000</b>	<b>ULPOLEN<sup>®</sup> 500</b>	<b>ULPOLEN<sup>®</sup> 300</b>
<b>General Properties</b>					
Density	DIN 53479	gr/cm <sup>3</sup>	0,94	0,94	0,94
Molecular Weight	DIN 53728-T	gr/mol	>4.000.000	500.000	300.000
Water Absorption	ASTM D570	%	0	0	0
<b>Mechanical Properties</b>					
Tensile Strength at Break	DIN 53455	Kg/cm <sup>2</sup>	250	250	250
Elongation at Break	DIN 53455	%	>300	>300	>300
Impact Strength (Notched)	DIN 53453	Kj/m <sup>2</sup>	No Break	No Break	12
Impact Strength (Charpy, notched)	ISO 11542/2	Kj/m <sup>2</sup>	>210	>25	-
Coefficient of Friction			0,1-0,15	0,15-0,20	0,20-0,25
Hardness	DIN 53505	Shore D	60-68	60-68	60-65
<b>Thermal Properties</b>					
Melting Temperature	ISO 3146	°C	130-138	130-138	127-131
Minimum Allowable Service Temperature in Air - Continuous		°C	-269	-100	-50
Maximum Allowable Service Temperature in Air - Continuous		°C	90	80	70
Coefficient of Linear Thermal Expansion	DIN 53752	°C <sup>-1</sup>	2x10 <sup>-4</sup>	2x10 <sup>-4</sup>	2x10 <sup>-4</sup>
<b>Electrical Properties</b>					
Electric Strength	DIN 53481	KV/cm	900	900	700

**ULPOLEN<sup>®</sup>** is a registered trademark of Polikim.