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# DATA SHEET

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## POLURENE LP 90 LV

<p><b>Type of Polymer:</b></p>	<p>TDI based branched polymer in Dioctyl adipate at 90% containing blocked and curable isocyanic groups. Lower viscosity than POLURENE LP 90.</p>																
<p><b>Range of use:</b></p>	<p>POLURENE LP 90 LV, <b>with very low viscosity</b>, is excellent for improving the flexibility of epoxy systems and for adhesives and sheaths. It is recommended for adhesion of wood with building materials (concrete, ceramic, stoneware, marble).</p>																
<p><b>Specifications:</b></p> <p>(°) DATA SHOWN ON ANALYSIS CERTIFICATE</p>	<table border="0"> <tr> <td colspan="2" style="text-align: center;"><b>POLURENE LP 90 LV</b></td> </tr> <tr> <td style="text-align: right;">Appearance</td> <td>Clear</td> </tr> <tr> <td style="text-align: right;">% NV</td> <td>90 ± 2</td> </tr> <tr> <td style="text-align: right;">% Non blocked NCO</td> <td>0,2 MAX      °</td> </tr> <tr> <td style="text-align: right;">% Blocked NCO</td> <td>2,4 ~</td> </tr> <tr> <td style="text-align: right;">Viscosity (23°C mPa*s)</td> <td>17500 ± 7500      °</td> </tr> <tr> <td style="text-align: right;">Colour (Gardner 1953)</td> <td>1 MAX      °</td> </tr> <tr> <td style="text-align: right;">Solvent</td> <td>Dioctyl adipate</td> </tr> </table>	<b>POLURENE LP 90 LV</b>		Appearance	Clear	% NV	90 ± 2	% Non blocked NCO	0,2 MAX      °	% Blocked NCO	2,4 ~	Viscosity (23°C mPa*s)	17500 ± 7500      °	Colour (Gardner 1953)	1 MAX      °	Solvent	Dioctyl adipate
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<p><b>Application condition:</b></p>	<p>POLURENE LP 90 LV can be combined with liquid epoxy resins for the formulation of two component adhesives for flooring with good rheological properties. The main property of POLURENE LP 90 LV is low viscosity that allows the formulation of adhesives with better wettability of inorganic fillers and without the addition of plastificants.</p> <p>The polyamines normally used with epoxy resins, especially aliphatic or cycloaliphatic diamines, can be added to the two component system as curing agents.</p> <p>POLURENE LP 90 LV can be added directly to the epoxy resin and blended with inorganic fillers like calcium carbonate, sand, pigments and thickeners. Catalysts (accelerators) must be added to the hardener, in order not to affect the stability of the two component epoxy-polyurethane system.</p> <p>POLURENE LP 90 LV has good compatibility with ketones, esters, esters of glicolethers, aromatics and white spirit. It is recommended to use always urethane grade solvents (&lt; 0.05% water).</p> <p>The substrate must be dry and clean before the adhesive application.</p>																
<p><b>Storage and warranty:</b></p>	<p>In sealed drums we guarantee a shelf life of six months, provided POLURENE LP 90 LV is stored under dry and cool condition.</p> <p>Storage at high temperatures can lead to an increase of viscosity of the product.</p>																

The technical information provided in this sheet or given in oral or written form is based on our best knowledge and experience. These data, even technical and safety ones, are only suggestions, so they don't have to be considered as binding. The customer must test our products, technical assistance and information, to define to its satisfaction whether they are suitable for the intended use and application. The use, manufacture and the application conditions of our products are carried out beyond our control so they are under customer's responsibility. Sapici SpA guarantees the constant quality of the product, sales and delivery conditions.