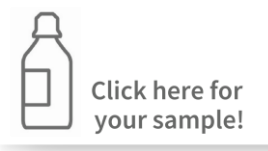


# RESINS – SPECIAL EPOXY AND BISMALEIMIDES



PRODUCTNAME	APPLICATIONS	SPECIAL FEATURES
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## Special epoxy and BMI resins – NEW

<b>WIDE EPOXY PRODUCT RANGE</b>	<p>Special epoxy resins for paints, inks, coatings, adhesives, composites and optical/electronic applications, like e.g. semiconductor adhesives/underfill, EMD, FCCL, CCL, ...</p> <p><b>Hereby only a few examples are listed.</b>  <b>→ Tell us what you need!</b></p>	<p>Many epoxy-backbones available, like:</p> <ul style="list-style-type: none"> <li>- bisphenol-A, bisphenol-F, bisphenol-S, bisphenol-Z</li> <li>- biphenyl, dicyclopentadiene, fluorene-bisphenol, phenylphenol, novolac, ...</li> </ul> <p>with many different properties, like:</p> <ul style="list-style-type: none"> <li>- flame-retardant, crystalline-types, low water-absorption</li> <li>- high purity, very low chlorine content</li> <li>- high Tg, low Dk/Df, low CTE</li> <li>- low viscosity, low/high refractive-index, ...</li> </ul>
<b>SE-300P</b> REACH-REGISTERED	low viscosity, high purity (low chlorine), <b>amine-type epoxy resin</b> , for various applications such as adhesives, laminating systems, special coatings, composites...	<ul style="list-style-type: none"> <li>- <b>3 epoxy-functional</b> resin (aromatic)</li> <li>- good adhesion, <b>heat resistance</b>, flame retardant</li> <li>- <b>high Tg</b>, hydrolysable chlorides: max.1'000 ppm</li> <li>- low viscosity: 400-1'000 mPas (25°C), EEW ~100 (g/eq)</li> </ul>
<b>SE-7500M80</b>	Inorganic/organic <b>hybrid resin</b> for special extreme performance paints and coatings. With extreme hardness, chemical and temperature resistance. For curing with amines (aromatic/aliphatic) or cationic systems.	<ul style="list-style-type: none"> <li>- hybrid-resin with an inorganic <b>silsesquioxane (SSQ) cage</b> and organic epoxy-cyclohexyl groups attached at the corners</li> <li>- very low CTE (coefficient of thermal expansion)</li> <li>- viscosity: 1'000 mPas (25°C), contains 20% MEK (methyleneethylketone)</li> </ul>
<b>SEZ-250</b> REACH-REGISTERED	<b>Bisphenol-Z</b> based epoxy resin for CCL, optical lenses, optically transparent coatings, high performance coatings, electrical coatings, ...	<ul style="list-style-type: none"> <li>- high Tg</li> <li>- very low Df/Dk values</li> <li>- high temperature and chemicals resistance</li> </ul>
<b>SE-5030 AND SE-5080</b> NEW	<b>Hydrogenated-BPA</b> epoxy resin	<ul style="list-style-type: none"> <li>- solid and liquid type, good adhesion, good weather resistance</li> <li>- also, for powder coatings</li> </ul>
<b>BIO-BASED EPOXY RESINS</b> NEW	<ul style="list-style-type: none"> <li>- <b>ISOSORBIDE</b> bio-based epoxy resin (DGEI)</li> <li>- <b>BPA</b> (SE-187B) and <b>BPF</b> (SEF-170B) bio-based epoxy resins</li> <li>- <b>BPA-novolac</b> and <b>phenol-novolac</b> bio-based epoxy resins</li> </ul>	<ul style="list-style-type: none"> <li>- bio-based contents from 20 to 100%</li> <li>- di-, tri- and tetrafunctional bio-based epoxy resins</li> </ul>
<b>BISMALEIMIDE RESINS</b> NEW	Powders and soluble types of <b>BMI-resins</b>	<ul style="list-style-type: none"> <li>- high Tg,</li> <li>- very low Df/Dk values</li> <li>- low water absorption</li> </ul>