



**Engineered Polymers, Inc.**  
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## **MAP-Z zinc MODIFIED ALIPHATIC PREPOLYMERS<sup>®</sup> \***

*MAP-Z* are zinc modified aliphatic prepolymers with monomer extracted levels of a maximum of 0.2%. The polymers are made from HDI. Three products are available. *MAP-Z* have been designed for use as a primer for steel to prevent corrosion. Colors may be added due to its aliphatic nature. A clear top-coat of *RAP-60M* may be used over *MAP-Z*. Solvents such as xylene, MEK, or butyl acetate may be used to cut *MAP-Z* to improve sprayability.

<u>Code #</u>	<u>NCO%</u>	<u>Viscosity (cps)</u>
<u>MAP-Z 10</u>	10	2150
<u>MAP-Z 14</u>	14	1800
<u>MAP-Z 18</u>	18	1000

<u>Typical Properties</u>	<u>MAP-Z 10</u>	<u>MAP-Z 14</u>	<u>MAP-Z 18</u>
Appearance	gray	gray	gray
Specific Gravity @25 C	1.5	1.5	1.5
Flash Point, PMCC	213 C	213 C	213 C
Freezing Temp	-23 C	-23 C	-23 C

### Storage and Handling:

*MAP-Z* prepolymers must be stored in a tightly closed container to protect them from contamination with moisture and other foreign substances, which can adversely affect processing. MAP will react with water to form ureas and CO<sub>2</sub> gas, which may cause sealed containers to expand and rupture. Partially filled containers should be blanketed with dry nitrogen.



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