

# **ABR ORGANICS LIMITED**

( An ISO 9001:2015 Certified Company )

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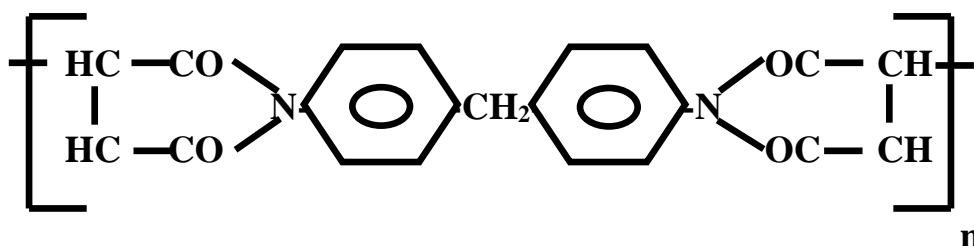
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<b>PRODUCT NAME</b>	<b>: ABRON BR 8100</b>
<b>PRODUCT TYPE</b>	<b>: BISMALEIMIDE TYPE RESIN</b>

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**ABRON BR 8100 is a modified Bismaleimide based resin that is a semi-solid at RT. The viscosity of Neat Resin will be 200 – 500 cPs at 75 – 85<sup>0</sup> C and can be used for VARTM application. No volatiles are released during cure. The resin is easily soluble in Acetone and can be used as a solution for prepregging. The Shelf Life of the resin in Acetone is 2 weeks when stored at 25 C.**

## **Properties of ABRON BR 8100:**

<b>Appearance</b>	<b>: Transparent Brown Semi-solid resin</b>
<b>Melting Range</b>	<b>: 65 – 75<sup>0</sup>C</b>
<b>Volatiles</b>	<b>: &lt; 1 %</b>
<b>Cure Temperature</b>	<b>: 180<sup>0</sup>C</b>
<b>Post Cure Temperature</b>	<b>: 200<sup>0</sup>C</b>

## **Typical Physical Properties of Cured NEAT ABRON BR8100**

<b>Tensile Strength at 25<sup>0</sup>C</b>	<b>85 MPa</b>
<b>Tensile Modulus</b>	<b>3.63 GPa</b>
<b>Flexural Strength</b>	
25 <sup>0</sup> C	<b>143 MPa</b>
150 <sup>0</sup> C	<b>87 MPa</b>
180 <sup>0</sup> C	<b>72 MPa</b>
<b>Flexural Modulus at 25<sup>0</sup>C</b>	<b>4 GPa</b>
<b>Tg by DMA</b>	<b>275<sup>0</sup>C</b>
<b>Elongation</b>	<b>3 %</b>