

**Table 3. EEW Values of EP and PSG systems**

Sample code	E-51	PSG1	PSG2	PSG3	PSG4
EEW (calculate value) (g/mol)	185-192 <sup>a</sup>	212 <sup>b</sup>	247 <sup>b</sup>	296 <sup>b</sup>	370 <sup>b</sup>
EEW (experimental value) (g/mol)	185	238	255	304	378
The rate of opening epoxy ring (%)	0%	11%	3%	2.6%	2%

a. The EEW of E-51 is given by the product introduction of DGEBA.

b. The EEW of PSG1, PSG2, PSG3, PSG4 is calculated based on the epoxy equivalent weight and the weight ratios of DGEBA.