

## Synthesis of novel glycerol based B<sub>3</sub>-type monomer and its application in Hyperbranched polyester urethane-urea coatings

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Table 1S. Solubility data of HBP

SOLVENTS	HBP
Methyl isobutyl ketone	-
Methyl ethyl ketone	+
Xylene	-
Toluene	-
Tetrahydrofuran	+
Chloroform	-
Diethylether	+
Water	+
1,4-dioxane	+
Dimethyl formamide	+
N-methyl pyrrolidone	+
DMSO	+
DCM	-
Ethyl acetate	-
Iso propyl alcohol	+

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“+” indicates “soluble” and “-” indicates “insoluble”

\* DMSO - Dimethyl sulphoxide

\*\* DCM - Dichloro methane

Figure 1S. DSC curves of B<sub>3</sub> and HBP

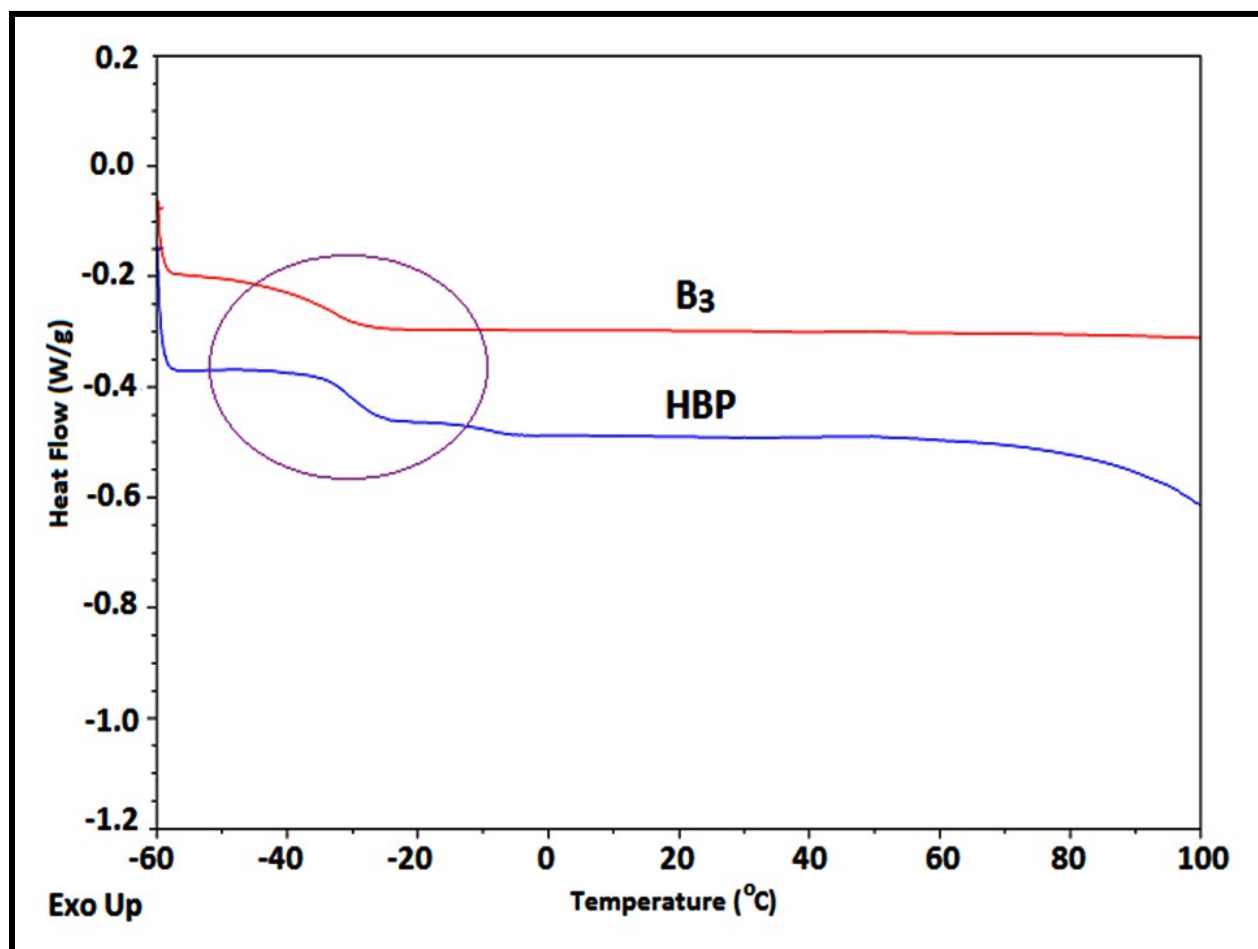


Figure 2S. FTIR Spectra of PU films

