MAIN ABBREVIATIONS AND NOTATIONS USED

PUR	: Polyurethane in general
PE	: Polyester in general
CO	: Castor oil
R60 and R92	: Polyols based on castor oil
PUR60	: Polyurethane based on R60 polyol
PUR92	: Polyurethane based on R92 polyol
UPE	: Unsaturated polyester
IPE	: Unsaturated polyester based on isophthalic acid
OPE	: Unsaturated polyester based on orthophthalic acid
TDI	: Toluene diisocyanate
DBTDL	: Dibutyltin dilaurate
MEKP	: Methyl ethyl ketone peroxide
HPW	: Half peak width
T.S	: Tensile strength
δ	: Solubility parameter
Vp	: Volume fraction of polymer
d	: Density
χ_{12}	: Polymer - solvent interaction parameter
B	: Lattice constant
Q	: Equilibrium degree of swelling
V_1	: Molar volume of solvent
Mc	: Molecular weight between two crosslinks
ν	: Degree of crosslinking
N	: Number of chains per unit volume
D	: Diffusion coefficient
S	: Sorption coefficient
P	: Permeability coefficient
tan δ	: Dissipation factor
E''	: Dynamic loss modulus
E'	: Dynamic storage modulus
Tg	: Glass transition temperature
σ	: Stress
e	: Elongation
E	: Young's modulus