

## GLOSSARY

ABS	Acrylonitrile-butadiene-styrene
AIBN	Azo bis iso butyronitrile
AN	Acrylonitrile
aPP	Atactic polypropylene
BPO	Benzoyl peroxide
CMC	Critical miceller concentration
DCPO	Dicumyl peroxide
DMA	Dynamic mechanical analysis
DSC	Differential scanning calorimetry
DVB	Divinyl benzene
EA	Ethylacrylate
EMA	Ethyl methacrylate
GMA	Glycidyl methacrylate
GPC	Gel permeation chromatography
HDT	Heat distortion temperature
HIPS	High impact polystyrene
HPP	Hydroperoxidized polypropylene
IPP	Isotactic polypropylene
IR	Infrared
LCP	Liquid crystal polymer
LCST	Lower critical solution temperature
MAA	Methacrylic acid
MABS	Methacrylonitrile-butadiene-styrene
MAH	Maleic anhydride
MEK	Methyl ethyl ketone
MMA	Methyl methacrylate
MMBS	Methyl methacrylate-butadiene-styrene
MWD	Molecular weight distribution
PABS	Polymer alloys and blends

PC	Polycarbonate
PDI	Poly dispersity index
PET	Polyethyleneterephthalate
PMMA	Poly methyl metacrylate
PO	Polyolefin
PP	Polypropylene
PVC	Polyvinyl chloride
SAN	Styrene-acrylonitrile copolymer
SANS	Small angle neutron scattering
SEBS	Styrene-(ethylene/butylene)-styrene tri block copolymer
SEM	Scanning electron microscopy
sPP	Syndiotactic polypropylene
STY	Styrene
TEM	Transmission electron microscopy
TGA	Thermo gravimetric analysis
UCST	Upper critical solution temperature
UV	Ultra Violet
4VP	4-vinyl pyridine
WAXS	Wide-angle X-ray scattering
$M_n$	Number average molecular weight
$M_w$	Weight average molecular weight
$T_g$	Glass transition temperature
$\alpha$	Interaction parameter
$\phi_{max}$	Maximum packing volume
$\nu$	Poisson's ratio