

ABBREVIATIONS

SiO₂	-	Silicon dioxide or Silica
PA	-	PolyAmide
PP	-	PolyPropylene
PET	-	PolyEthylineTerphtalete
NNI	-	National Nanotechnology Initiative
LS	-	Layered Silicate
DNA	-	Deoxyribonucleic acid
CNTs	-	Carbon Nano-Tubes
CVD	-	Chemical Vapor Deposition
LASiS	-	Laser Ablation Synthesis
PECVD	-	Plasma-Enhanced Chemical Vapor Deposition
SP	-	Spray Pyrolysis
ODOP	-	One Droplet- to-One-Product particle
CdSe	-	Cadmium Selenide
TEM	-	Transmission Electronic Microscopy
SEM	-	Scanning Electron Microscopy
CCD	-	Charge-Coupled Device
AFM	-	Atomic Force Microscopy
DLS	-	Dynamic Light Scattering
XPS	-	X-ray Photoelectron Spectroscopy
XRD	-	X-ray Diffraction
FTIR	-	Fourier Transform Infrared Spectroscopy
MALDI-TOF	-	Matrix-Assisted Laser Desorption/Ionization Time-Of-Flight
MS	-	Mass Spectrometry
NMR	-	Nuclear Magnetic Resonance
MRI	-	<u>Magnetic Resonance Image</u>
TGA	-	Thermo Gravimetric Analysis
DSC	-	Differential Scanning Calorimetric
DTA	-	Differential Thermal Analysis
CTE	-	Coefficients of Thermal Expansion

ATO	-	Antimony-Doped Tin Oxide
Tg	-	Glass Transition Temperature
EDX	-	Energy Dispersive X-Ray Analyzer
ASTM	-	American Society for Testing and Materials
AATCC	-	American Association of Textile Chemists and Colorists.
B.S	-	British Standards
ISO	-	International Organization for Standardization
WL	-	Wavelength of UV rays
gpl	-	Gram Per Liter
P-D-C	-	Pad- Dry-Cure method
NP	-	Nano Particle
CB	-	Carbon Black