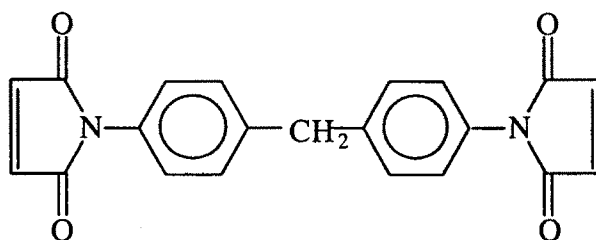


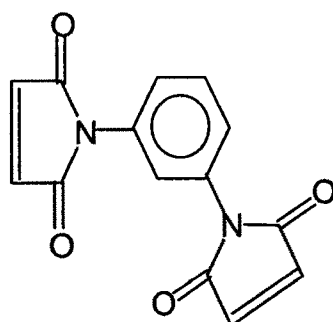
LIST OF SYMBOLS AND ABBREVIATIONS

t	-	thickness
δ	-	deflection
Δd	-	difference in extension
Δl	-	extension at break
Δp	-	difference in load
b	-	width
$^{\circ}\text{C}$	-	degree centigrade
Cp	-	centi Poise
cm	-	centimeter
d	-	width of bar
d_b	-	depth of beam
E	-	flexural modulus
g	-	thickness of the material
kV	-	kilo volt
l	-	original length
L	-	load at break
l	-	length of specimen
mm	-	millimeter
M_0	-	mass of crucible
m_f	-	percentage mass of fibre
m_g	-	mass of glass
MPa	-	mega pascal
m_t	-	mass of composite

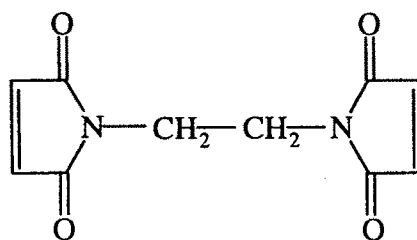
P	-	diameter of electrode
P _d	-	load at given point on the deflection curve
R	-	surface resistance
R _s	-	surface resistivity
R _v	-	volume resistance
s	-	seconds
S	-	support span
T	-	thickness of specimen
T _g	-	glass transition temperature
ASTM	-	American Society for Testing Materials
γ-APS	-	γ-aminopropyltriethoxysilane
BMI	-	bismaleimides
DDM	-	4,4'-diaminodiphenylmethane
DDS	-	diaminodiphenylsulphone
DGEBA	-	diglycidylether of bisphenol - A
DPP	-	diphenylolpropane
DSC	-	differential scanning calorimetry
FTIR	-	fourier transform infrared spectra
HDT	-	heat distortion temperature
HTPDMS	-	hydroxyl-terminated polydimethylsiloxane
MDA	-	methylenedianiline
m-PDA	-	m-phenylenediamine
NMR	-	nuclear magnetic resonance
SEM	-	scanning electron microscope
TGA	-	thermogravimetric analysis
TGDDM	-	tetraglycidyl-diaminodiphenylmethane



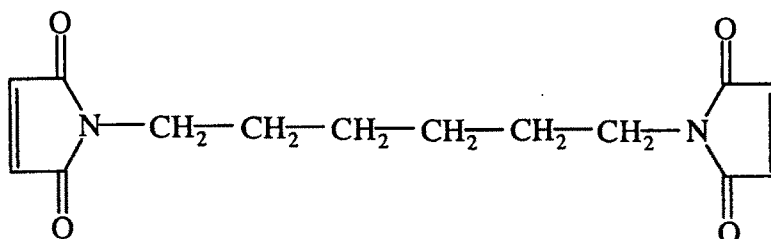
BMI-1 - N,N'-bis(maleimido)4,4'-diphenylmethane



BMI-2 - 1,3-bis(maleimido)benzene



BMI-3 - 1,2-bis(maleimido)ethane



BMI-4 - 1,6-bis(maleimido)hexane