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Synthesis and characterization of some polymer clay nanocomposites for industrial applications

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List of abbreviations

PLSN	Polymer-layered silicate nanocomposite
MMT	Montomorillonite
N6	Nylon 6
CEC	Cation exchange capacity
OMLS	Organo-modified layered silicate
XRD	X-ray diffraction
FTIR	Fourier transform infrared spectroscopy
TEM	Transmission electron microscopy
NMP	Nitroxide-mediated polymerization
PMMA	Poly(methyl methacrylate)
PS	Polystyrene
PCNs	Polymer-clay nanocomposites
TPO	Thermoplastic olefin
T _g	Glass transition temperature
PET	Poly(ethylene terphthalate)
PVDF	Poly(vinylidene fluoride)

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