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LIST OF ABBREVIATIONS

PET	=	Polyethylene terephthalate
TeM	=	Track etched membrane
DMSO	=	Dimethyl sulfoxide
PNIPAm	=	Poly (<i>N</i> -isopropyl acrylamide)
BIS	=	<i>N,N'</i> -Methylenebisacrylamide
WG	=	Weight gain
FTIR	=	Fourier Transfer Infrared
SEM	=	Scanning Electron Microscopy
CA	=	Contact Angle
WVTR	=	Water vapor transmission rate
O ₂ TR	=	Oxygen transmission rate
CO ₂ TR	=	Carbon dioxide transmission rate