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I	minimum intensity at the base of the peak
F	Force, N
W <sub>0</sub>	width of the narrow section, mm
T <sub>0</sub>	thickness sample, mm
L <sub>0</sub>	initial distance between grips, mm
L	current distance between grips, mm
TBLS	tribasic lead sulfate
PbSt <sub>2</sub>	lead stearate
CaSt <sub>2</sub>	calcium stearate
HSt	stearic acid

## NOMENCLATURE

PVC	poly (vinyl chloride)
u-PVC	unplasticized poly (vinyl chloride)
p-PVC	pristine poly (vinyl chloride)
OD	optical density
R <sup>2</sup>	coefficient of determination
RH	relative humidity
ISO	international organization for standardization
DIN	deutsches institut für normung
BS EN	british standard european norm
FTIR	Fourier transforms infrared
UATR	universal attenuated total reflectance accessory
I <sub>0</sub>	reference infrared intensity

## Greek symbols

$\sigma_y$	yield stress, MPa
$\sigma_b$	stress at break, MPa
$\epsilon_b$	elongation at break, %
$\nu$	stretching vibration
$\nu_s$	symmetric stretching vibration
$\nu_{as}$	antisymmetric stretching vibration
$\delta$	bending vibration
$\delta_{in-plane}$	in-plane bending vibration
$\delta_{out-of-plane}$	out-of-plane bending vibration