Abbreviations

3D Three-dimesional
aPP Atactic polypropylene
APPICOD Assessing the Potential of Plastics Recycling in the Construction and Demolition Activities
BAT Best available technology
BNAT Best not available technology
C&D Construction and demolition
DBP Dibutyl phthalate
DEFRA Department for Food, Environment and Rural Affairs
DEHP Di-(2-ethylhexyl) phthalate
DIDP Diisodecyl phthalate
DINP Diisononyl phthalate
DMA Dynamic mechanical analysis
DSC Differential scanning calorimetry
DSD Duales System Deutschland
EC European Commission
ECPI European Council of Plasticisers and Intermediates
ECVM European Council of Vinyl Manufacturers
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>EEI</td>
<td>Energy efficiency index</td>
</tr>
<tr>
<td>ESPA</td>
<td>European Stabilisers Producers Association</td>
</tr>
<tr>
<td>EU</td>
<td>European Union</td>
</tr>
<tr>
<td>EuPC</td>
<td>European Plastics Converters</td>
</tr>
<tr>
<td>FDA</td>
<td>US Food and Drug Administration</td>
</tr>
<tr>
<td>FESEM</td>
<td>Field-emission scanning electron microscopy</td>
</tr>
<tr>
<td>GHG</td>
<td>Greenhouse gases</td>
</tr>
<tr>
<td>GWP 100</td>
<td>Global warming potential over 100 years</td>
</tr>
<tr>
<td>IBGE</td>
<td>Instituto Brasileiro de Geografia e Estatística</td>
</tr>
<tr>
<td>iPP</td>
<td>Isotactic polypropylene</td>
</tr>
<tr>
<td>LA</td>
<td>Local Authorities</td>
</tr>
<tr>
<td>LCA</td>
<td>Life cycle assessment</td>
</tr>
<tr>
<td>LCI</td>
<td>Life cycle inventory</td>
</tr>
<tr>
<td>MAH</td>
<td>Maleic anhydride</td>
</tr>
<tr>
<td>$M_n$</td>
<td>Number average molecular weight</td>
</tr>
<tr>
<td>$M_w$</td>
<td>Molecular weight</td>
</tr>
<tr>
<td>PA</td>
<td>Polyamide</td>
</tr>
<tr>
<td>PET</td>
<td>Polyethylene terephthalate</td>
</tr>
<tr>
<td>$p$PBM</td>
<td>$p$-Phenylene-bis-maleamic acid</td>
</tr>
<tr>
<td>POx</td>
<td>Peroxide</td>
</tr>
<tr>
<td>PP</td>
<td>Polypropylene</td>
</tr>
<tr>
<td>PRF</td>
<td>Plastics Reclamation Facilities</td>
</tr>
</tbody>
</table>
Abbreviations

PVC  Polyvinyl chloride
R&D  Research and Development
REACH  Registration, Evaluation, Authorisation and Restriction of Chemicals
R-PVC  Recycled polyvinyl chloride
RPET  Recycled polyethylene terephthalate
rpm  revolutions per minute
SA  Succinic anhydride
SCENIHR  Scientific Committee for Emerging and Newly Identified Health Risks
SDoE  Statistical Design of Experiments
SEC  Specific energy consumption
SF  Succinyl fluoresceine
T&D  Transmission and Distribution
T\text{g}  Glass transition temperature
URRC  United Research Recovery Corporation
USD  US Dollars
VC  Voluntary Commitment(s)
VCM  Vinyl chloride monomer
WCA  Waste Collection Authorities
WDA  Waste Disposal Authorities
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Contributors

Susana Areso
Grupo de Ingeniería de Polímeros, Instituto de Ciencia y Tecnología de Polímeros. CSIC, C/ Juan de la Cierva 3, 28006 Madrid, Spain

Patrick Bailly
Areva T&D AMT, Boulevard de la Résistance, 71040 Macon, France

John A. Colbert
Smithers Rapra Technology, Shawbury, Shrewsbury, Shropshire, SY4 4NR, UK

Emilia P. Collar
Grupo de Ingeniería de Polímeros, Instituto de Ciencia y Tecnología de Polímeros. CSIC, C/ Juan de la Cierva 3, 28006 Madrid, Spain

Stuart Foster
RECycling Of Used Plastics Ltd., Tower House, Lucy Tower Street, Lincoln, LN1 1XW, UK

Jesús M. García-Martínez
Grupo de Ingeniería de Polímeros, Instituto de Ciencia y Tecnología de Polímeros. CSIC, C/ Juan de la Cierva 3, 28006 Madrid, Spain

Luiz Fernando Loureiro Legey
Centro de Tecnologica, Bloco C, Sala 211 - CEP 21949-972, Cidade Universitária, Ilha do Fundão, Rio de Janeiro, RJ 68565, Brazil
Plastics and the Environment

Romain Maladen
Areva T&D AMT, Boulevard de la Résistance, 71040 Macon, France

Peter Mayer
Separation and Sorting Technology GmbH, Regener Strasse 130, Schoenberg, D-94513, Germany

Ana C. Nioac de Salles
Fraunhofer-Institut für Chemische Technologie (ICT), Joseph-von-Fraunhofer-Strasse 7, 76327 Pfinztal, Germany

Elen Beatriz Acordi Vasques Pacheco
Cidade Universitáriam Av. Horácio Macedo, 2.030, Centro de Tecnologica, Prédio do Bloco J, CEP 21941-598, Rio de Janeiro, Brazil

Rainer Pamminger
Vienna University of Technology, Institute for Engineering Design, Getreidemarkt 9, 1060 Vienna, Austria

Daniel Piccoz
Areva T&D AMT, Boulevard de la Résistance, 71040 Macon, France

Christophe Prévé
Areva T&D AMT, Boulevard de la Résistance, 71040 Macon, France

Luiz Pinguelli Rosa
Centro de Tecnologica, Bloco C, Sala 211 - CEP 21949-972, Cidade Universitária, Ilha do Fundão, Rio de Janeiro, RJ 68565, Brazil

Erik Sehnal
Vienna University of Technology, Institute for Engineering Design, Getreidemarkt 9, 1060 Vienna, Austria
Contributors

Arjen Sevenster
Vinyl 2010, Avenue E. van Nieuwenhuyse 4/4, Brussels, B-1160, Belgium

Jesús Taranco
Grupo de Ingeniería de Polímeros, Instituto de Ciencia y Tecnología de Polímeros. CSIC, C/ Juan de la Cierva 3, 28006 Madrid, Spain

Bernard Valette
Areva T&D AMT, Boulevard de la Résistance, 71040 Macon, France

Wolfgang Wimmer
Vienna University of Technology, Institute for Engineering Design, Getreidemarkt 9, 1060 Vienna, Austria

Jörg Woidasky
Fraunhofer-Institut für Chemische Technologie (ICT), Joseph-von-Fraunhofer-Strasse 7, 76327 Pfinztal, Germany
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