



Announcement

PNS on Plastics

The Department of Trade and Industry's Bureau of Product Standards (DTI-BPS) informs the concerned sectors that the following standards have been adopted as Philippine National Standards.

These standards were developed through the Technical Committee on Plastics and Plastic Products (BPS/TC 45) which is composed of representatives from academe, industry, research and testing institutions.

The standards provide a framework or roadmap to compare and rank the controlled laboratory rates of degradation and degree of physical property losses of polymers by thermal and photooxidation process as well as the biodegradation and ecological impacts in defined applications and disposal environments after degradation.

1. **PNS 2092:2011** – Standard Guide for exposing and testing plastics that degrade in the environment by a combination of oxidation and biodegradation ICS 83.080.01
2. **PNS ASTM D 3826:2011** – Standard Guide for determining degradation end point in degradable polyethylene and polypropylene using a tensile test ASTM published 1998 (Reapproved 2008) ICS 83.080.01
3. **PNS ISO D 3987:2011** – Standard test method for shake extraction of solid waste with water ASTM published 2006 ICS 83.080.01
4. **PNS ISO D 5071:2011** – Standard practice for exposure of photodegradable plastics in a xenon arc apparatus ASTM published 2006 ICS 83.080.01
5. **PNS ISO D 5208:2011** – Standard practice for fluorescent ultraviolet (UV) exposure of photodegradable plastics ASTM published 2009 ICS 83.080.01
6. **PNS ISO D 5272:2011** – Standard practice for outdoor exposure testing of photodegradable plastics ASTM published 2008 ICS 83.080.01
7. **PNS ISO D 5338:2011** – Standard test method for determining aerobic biodegradation of plastic materials under controlled composting conditions, incorporating thermophilic temperatures ASTM published 2011 ICS 83.080.01
8. **PNS ISO D 5526:2011** – Standard test method for determining anaerobic biodegradation of plastic materials under accelerated landfill conditions ASTM published 1994 (Reapproved 2011) ICS 83.080.01
9. **PNS ISO D 5951:2011** - Standard practice preparing residual solids obtained after biodegradability standard methods for plastics in solid waste for toxicity and compost quality testing ASTM published 1996 (Reapproved 2002) ICS 83.080.01
10. **PNS ISO D 5988:2011** - Standard test method for determining aerobic biodegradation in soil of plastic materials or residual plastic materials after composting ASTM published 2003 ICS 83.080.01
11. **PNS ISO D 6002:2011** - Standard guide for assessing the compostability of environment-ally degradable plastics ASTM published 1996 (Reapproved 2002) ICS 83.080.01
12. **PNS ISO D 6400:2011** - Standard specification for compostable ASTM published 2004 ICS 83.080.01
13. **PNS ISO D 7444:2011** - Practice for heat and humidity aging of oxidatively degradable plastics ASTM published 2011 ICS 83.080.01

Copies of the standards can be purchased from the BPS Standards Data Centre at 751.4736.

MM No.: _____

BUREAU OF PRODUCT STANDARDS

3F, Trade and Industry Building
 361 Sen. Gil Puyat Avenue, Makati City, 1200 Philippines
 Telephone (632) 751-3123, 751-4736 • Fax (632) 751-4706
 E-mail: bps@dti.dti.gov.ph • www.bps.dti.gov.ph

Membership:

- International Organization for Standardization (ISO)
- Enquiry Point for WTO Technical Barriers to Trade (WTO-TBT)