



British Plastics Federation

BPF Recycling Group Annual Return Report

Analysis of 2011 Data

Stronger
Together



Objective and conduct of the study

This survey sought to obtain useful information that will help the BPF to support the Recycling sector of the UK Plastics Industry.

The survey was conducted by the British Plastics Federation (BPF). The questionnaires were administered by the BPF and all information received from specific companies has been treated confidentially. Analysis was conducted by the BPF staff in strictest confidence.

The survey was conducted, as with all other BPF surveys, in line with UK and EU Competition Law.

The survey was conducted via a questionnaire sent to all members of the BPF's Recycling group. A total of 25 responses were received.

The British Plastics Federation has taken every possible care to ensure that this document is correct in all aspects. However the BPF cannot be held responsible for any errors therein, nor accept any responsibility for any use which may be made of the information in this report. All information given in this report is given in good faith, but without legal responsibility.

Francisco Morcillo
Industrial Issues Executive
The British plastics Federation

January 2013

1 Scope of the data

Total Members of BPF Recycling Group: 40
Total Plastic Related Turnover: +£305 million

Total responses: 25
Employees represented by the report: 2122
Turnover represented by the report: £267.5 million
Percentage of turnover represented by the report: 87%

2 Tonnage Declaration

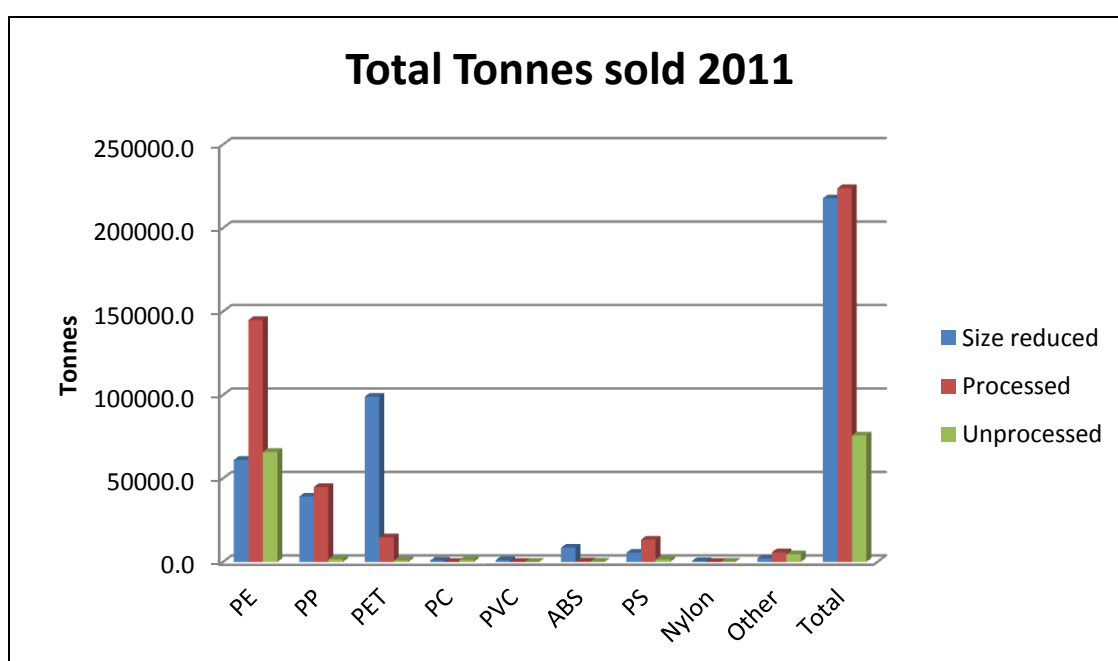
■ Total Tonnes Sold during 2011

Material	PE	PP	PET	PC	PVC	ABS	PS	Nylon	Other	Total Tonnes
Size reduced* (tonnes)	61,086	39,154	98,997	765	1,052	8,557	5,528	520	2,107	217,767
Melt Processed**	144,901	44,858	14,708	0	0	319	13,318	0	5,777	223,884
Unprocessed*** (tonnes)	65,867	1,575	854	1,177	2	146	1,404.6	128	4,589	75,743
Total	271,855	85,588	114,559	1,942	1,054	9,022	20,251	648	12,473	517,394

**Size reduced* – waste plastic that has been shredded, granulated or milled down to a smaller particle size. Typically described as ‘re-grind plastic chips’ or ‘cut flakes’. Most washing processes also include size reduction.

***Melt Processed* – plastic that has been through a high-temperature, thermal re-melt process to homogenise the polymer material. Typically sold as extruded resin, pelletised compound or moulded components / profiles

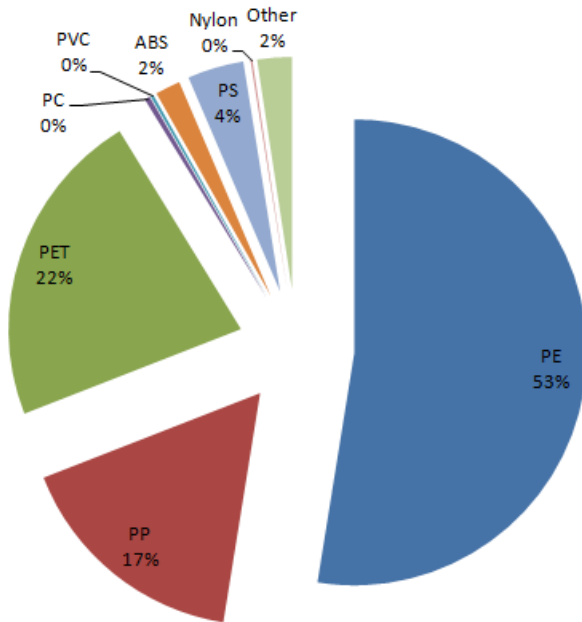
****Unprocessed* – No physical change to the size, shape or appearance of the individual items received as input waste raw material / feedstock. Sorting and separation of individual plastic types may have taken place and re-packing in a different physical format (such as baling) for onward sale to customer.



■ **Materials: Proportion of Total Tonnes Sold during 2011**

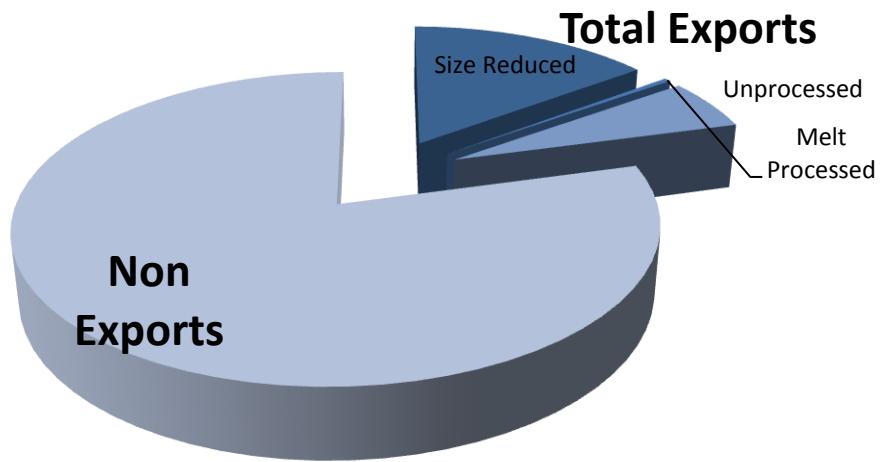
% of Total	PE	PP	PET	PC	PVC	ABS	PS	Nylon	Other	Total Tonnes
Size reduced	28.1%	18.0%	45.5%	0.4%	0.5%	3.9%	2.5%	0.2%	1.0%	100.0%
Melt Processed	64.7%	20.0%	6.6%	0.0%	0.0%	0.1%	5.9%	0.0%	2.6%	100.0%
Unprocessed	87.0%	2.1%	1.1%	1.6%	0.0%	0.2%	1.9%	0.2%	6.1%	100.0%
Grand Total	52.5%	16.5%	22.1%	0.4%	0.2%	1.7%	3.9%	0.1%	2.4%	100.0%

Materials: Proportion of Total Tonnage



■ **Proportion of Tonnage exported in 2011**

	Total Tonnes	% Export	%Total Export
Size reduced	76,625.9	35.2%	14.8%
Processed Tonnes	2,304.3	1.0%	0.4%
Unprocessed Tonnes	28,763.9	38.0%	5.6%
Total	107,694.1	20.8%	20.8%



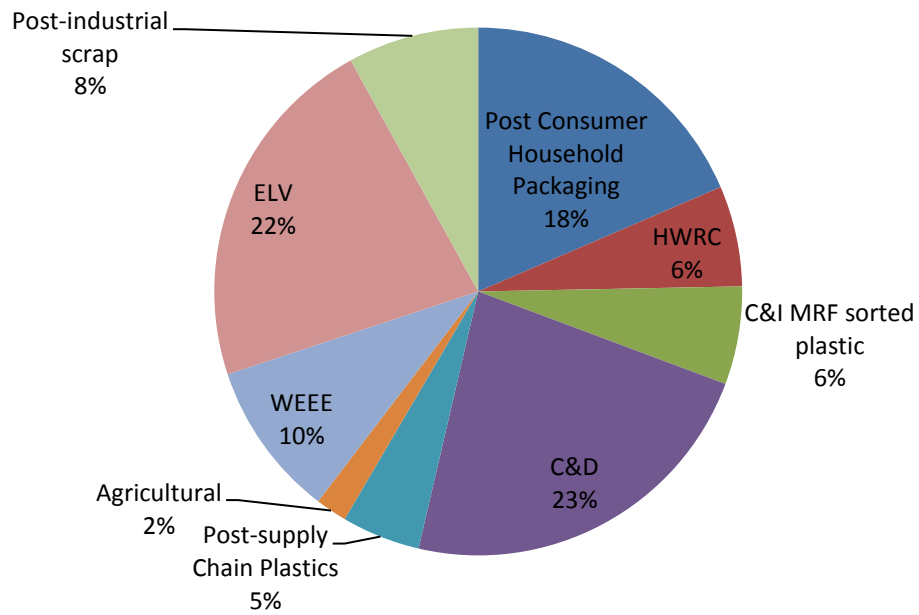
■ PRNs/PERNs Issued in last calendar year

	Tonnes issued
PRNs issued	37,811
PERNs issued	107,000
Total	144,811

■ **Waste Type Processed (tonnage of raw material received as INPUT to the recycler)**

	TONNES	%TOTAL
Post Consumer Household Packaging	253,720	18.5%
Bottles	163,310	11.9%
Other rigid	78,410	5.7%
Flexible Films	12,000	0.9%
Household Waste Recycling Centre (HWRC)	84,425	6.2%
Mixed Plastics	84,425	6.2%
Commercial and Industrial (C&I) MRF sorted plastic	82,238	6.0%
Films	75,256	5.5%
Rigid	6,982	0.5%
Construction and Demolition (C&D)	314,106	22.9%
Windows	100	0.0%
Pipes	253,106	18.5%
Films	10,000	0.7%
Other Rigid	50,900	3.7%
Post-supply Chain Plastics	65,867	4.8%
Films	25,100	1.8%
Rigids	40,767	3.0%
Agricultural	26,432	1.9%
Films	26,065	1.9%
Rigids	367	0.0%
Waste Electrical and Electronic Equipment (WEEE)	130,739	9.5%
Fridge	12,193	0.9%
TV	8,507	0.6%
Mixed Appliances	110,039	8.0%
End of Life Vehicles (ELV)	302,061	22.1%
Parts	1,466	0.1%
Post Shredder	300,595	22%
Post-industrial scrap	109,871	8.0%
Flexible	61,360	4.5%
Rigid	48,511	3.5%
TOTAL	1,369,459	100.0%

Waste Type: Proportion Processed



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