

**PLASTICS MASS BALANCE SURVEY (2005 PRODUCTION) - SUMMARY FOR ALL RESINS**

**INPUT TONNAGES**

Input	Survey Totals (tonnes)	Extrapolation (tonnes)
Virgin resin	208,447	268,809
Reel Stock/Sheet-NZ Sourced	2,067	2,710
Reel Stock/Sheet-Overseas Sourced	5,564	7,542
Regrind (Bought In)	14,180	19,148
Regrind (In-House Recycling)	11,874	15,513
<b>TOTAL (excl In-House Recycling)</b>	<b>230,257</b>	<b>276,351</b>

^Import Stats^

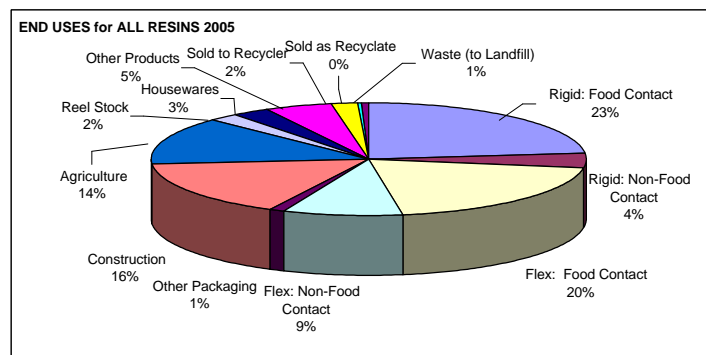
All Virgin Resins used in Production as a % of Total Imported Virgin Resins **82.46** %  
 Extrapolation Ratio = **1.080**

1.175

**OUTPUT TONNAGES**

END MARKET	TOTAL	Extrapolation
	(Domestic+Ind Exports+Dir Exp)	
<b>Packaging</b>		
Rigid: Food Contact	50,053	69,259
Rigid: Non-Food Contact	9,513	13,108
Flex: Food Contact	46,093	59,399
Flex: Non-Food Contact	19,742	26,032
Other Packaging	2,711	3,565
<b>Packaging (sub-total)</b>	<b>128,112</b>	<b>171,364</b>
Construction	41,783	47,860
Agriculture	31,451	40,790
Reel Stock	4,938	6,779
Housewares	5,798	7,816
Other Products	11,675	15,086
Sold to Recycler	4,755	6,279
Sold as Recyclate	531	701
Waste (to Landfill)	1,213	1,533
<b>TOTAL (Including Packaging)</b>	<b>230,257</b>	<b>298,208</b>

In-house Recycling = **5.55** %



DOMESTIC USE	INDIRECT EXPORTS		DIRECT EXPORTS		
	Extrapolation	Extrapolation	Extrapolation	Extrapolation	
41,076	57,018	2,449	3,245	6,528	8,996
5,664	7,867	2,857	3,877	993	1,364
18,571	24,208	18,661	23,815	8,861	11,376
15,818	20,836	1,583	2,039	2,341	3,158
1,581	2,106	334	404	797	1,055
82,709	112,035	25,883	33,380	19,520	25,949
37,806	43,304	461	590	3,516	3,966
27,225	34,909	271	327	3,954	5,554
3,060	4,199	263	378	1,616	2,202
3,156	4,509	1,181	1,421	1,460	1,886
7,704	9,964	968	1,218	3,003	3,904
161,659	208,919	29,028	37,314	33,070	43,461

**PLASTICS MASS BALANCE SURVEY (2005 PRODUCTION) - SUMMARY FOR PET**

**INPUT TONNAGES**

Input	Survey Totals (tonnes)	Extrapolation (tonnes)
Virgin resin	19,997	25,816
Reel Stock/Sheet-NZ Sourced	160	206
Reel Stock/Sheet-Overseas Sourced	1,540	1,987
Regrind (Bought In)	772	997
Regrind (In-House Recycling)	1,426	1,841
<b>TOTAL (excl In-House Recycling)</b>	<b>22,468</b>	<b>27,804</b>

^Import Stats^

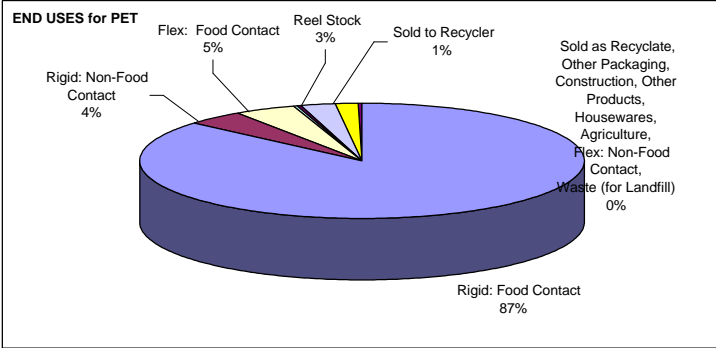
All PET Resins used in Production as a % of Total Imported PET Resins **70.89** %

Extrapolation Ratio = **1.291**  
1.291

**OUTPUT TONNAGES**

END MARKET	TOTAL	Extrapolation
	(Domestic+Ind Exports+Dir Exp)	
<b>Packaging</b>		
Rigid: Food Contact	19,441	25,098
Rigid: Non-Food Contact	883	1,140
Flex: Food Contact	1,043	1,346
Flex: Non-Food Contact	36	46
Other Packaging	54	70
<b>Packaging (sub-total)</b>	<b>21,456</b>	<b>27,700</b>
Construction	0	0
Agriculture	0	0
Reel Stock	579	748
Housewares	0	0
Other Products	5	7
Sold to Recycler	334	432
Sold as Recyclate	1	1
Waste (To Landfill)	92	119
<b>TOTAL (Including Packaging)</b>	<b>22,468</b>	<b>29,006</b>

In-house Recycling = **6.62** %



DOMESTIC USE	INDIRECT EXPORTS		DIRECT EXPORTS		
	Extrapolation	Extrapolation	Extrapolation	Extrapolation	
17,372	22,428	438	565	1,631	2,105
519	670	364	470	0	0
532	686	264	340	247	319
36	46	0	0	0	0
54	70	0	0	0	0
18,513	23,900	1,066	1,376	1,878	2,425
0	0	0	0	0	0
0	0	0	0	0	0
429	554	0	0	150	194
0	0	0	0	0	0
4	5	1	2	0	0
18,946	24,459	1,067	1,377	2,028	2,618









**PLASTICS MASS BALANCE SURVEY (2005 PRODUCTION) - SUMMARY FOR PS**

**INPUT TONNAGES**

Input	Survey Totals (tonnes)	Extrapolation (tonnes)
Virgin resin	9,825	12,036
Reel Stock/Sheet-NZ Sourced	21	26
Reel Stock/Sheet-Overseas Sourced	0	0
Regrind (Bought In)	807	989
Regrind (In-House Recycling)	1,737	2,128
<b>TOTAL (excl In-House Recycling)</b>	<b>10,654</b>	<b>12,036</b>

^Import Stats^

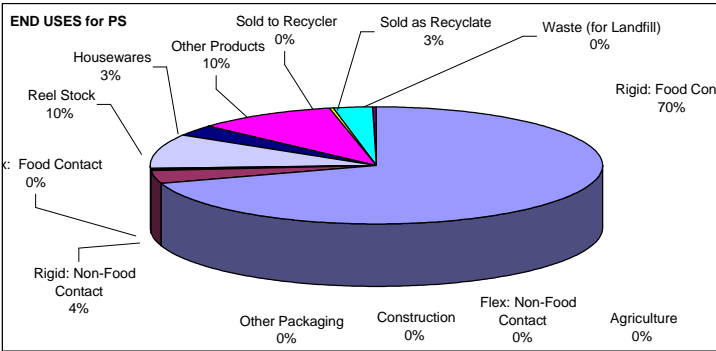
All PS Resins used in Production as a % of Total Imported PS Resins **77.47** %

Extrapolation Ratio = **1.225**  
1.225

**OUTPUT TONNAGES**

END MARKET	TOTAL (Domestic+Ind Exports+Dir Exp)	Extrapolation
<b>Packaging</b>		
Rigid: Food Contact	7,445	9,121
Rigid: Non-Food Contact	390	478
Flex: Food Contact	9	11
Flex: Non-Food Contact	0	0
Other Packaging	21	26
<b>Packaging (sub-total)</b>	<b>7,866</b>	<b>9,636</b>
Construction	0	0
Agriculture	22	27
Reel Stock	1,021	1,251
Housewares	324	397
Other Products	1,051	1,287
Sold to Recycler	45	55
Sold as Recyclate	293	359
Waste (To Landfill)	31	38
<b>TOTAL (Including Packaging)</b>	<b>10,654</b>	<b>13,051</b>

In-house Recycling = **17.68** %



DOMESTIC USE	Extrapolation	INDIRECT EXPORTS	Extrapolation	DIRECT EXPORTS	Extrapolation
	4,957		283		2,205
	6,073		347		2,701
	206	4	5	180	221
	4	0	0	4	5
	0	0	0	0	0
	21	0	0	0	0
	26	0	0	0	0
	5,189	287	352	2,390	2,928
	0	0	0	0	0
	19	0	0	3	4
	796	4	4	222	272
	73	4	4	247	303
	1,014	10	12	27	33
	7,091	304	373	2,889	3,539



**PLASTICS MASS BALANCE SURVEY (2004 PRODUCTION) - SUMMARY FOR ALL OTHER RESINS**

**INPUT TONNAGES**

Input	Survey Totals (tonnes)	Extrapolation (tonnes)
Virgin resin	16,185	17,027
Reel Stock/Sheet-NZ Sourced	107	113
Reel Stock/Sheet-Overseas Sourced	296	311
Regrind (Bought In)	824	867
Regrind (In-House Recycling)	110	115
<b>TOTAL (excl In-House Recycling)</b>	<b>17,412</b>	<b>17,338</b>

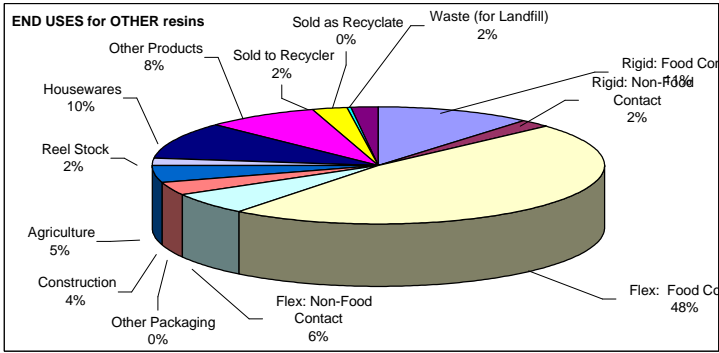
^Import Stats^

All OTHER Resins used in Production as a % of Total Imported OTHER Resins **94.80** %  
 Extrapolation Ratio = **1.052**  
 1.052

**OUTPUT TONNAGES**

END MARKET	TOTAL (Domestic+Ind Exports+Dir Exp)	Extrapolation
<b>Packaging</b>		
Rigid: Food Contact	1,924	2,024
Rigid: Non-Food Contact	416	437
Flex: Food Contact	8,218	8,646
Flex: Non-Food Contact	1,044	1,098
Other Packaging	14	14
<b>Packaging (sub-total)</b>	<b>11,616</b>	<b>12,220</b>
Construction	629	662
Agriculture	807	849
Reel Stock	342	359
Housewares	1,776	1,868
Other Products	1,440	1,515
Sold to Recycler	394	414
Sold as Recyclate	54	57
Waste (To Landfill)	356	374
<b>TOTAL (Including Packaging)</b>	<b>17,412</b>	<b>18,318</b>

In-house Recycling = **0.67** %



DOMESTIC USE	INDIRECT EXPORTS		DIRECT EXPORTS	
	Extrapolation	Extrapolation	Extrapolation	Extrapolation
	1,210	360	354	372
	151	183	82	87
	1,721	4,585	1,912	2,011
	416	261	366	385
	2	0	11	12
	3,501	5,390	2,725	2,867
	434	80	116	122
	287	213	307	323
	94	3	245	257
	282	827	667	702
	587	509	344	362
	5,185	7,021	4,403	4,632
	5,454	7,386		

## 2005 Import Figures

	Kilograms	Tonnes
PET	30,382,155	30,382
HDPE	51,733,070	51,733
PVC	38,660,901	38,661
L/LLDPE	76480873	76,481
PP	35,113,177	35,113
PS	12,683,588	12,684
EPS	7,103,009	7,103
OTHER	17,385,613	17,386
TOTAL	259,542,386	259,542