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**Input- Output Co-efficient  
For  
Elfat Poly Packaging & Accessories Pvt. Ltd.**

প্রতিষ্ঠানের বণ্ড আইসেস নং- ৫২৪/কাস-পিবিত্রিউ/২০০৯  
করদাতা সনাক্ত করণ/অধিকাভুক্তি সংখ্যা : ৫১৫১০২২২৯৭

এগারো কোড নং- ৫০৪০২

Sl. No.	Name of product & Size	Name of Raw materials	Unit of Measurement	Consumption		
				Gross	Wastage	Net
1.	Plastic Top Hanger (Light) Size: 14"	a) Thermoplastic molding compound	gm	191.74	8%	176.40
		b) Pigment	gm	3.91	8%	3.60
2.	Plastic Top Hanger (Heavy) Size: 14"	a) Thermoplastic molding Compound	gm	366.43	8%	337.12
		b) Pigment	gm	7.48	8%	6.88
3.	Plastic Top Hanger (Heavy) Size: 19"	a) Thermoplastic molding Compound	gm	524.09	8%	482.71
		b) Pigment	gm	10.70	8%	9.84
4.	Box Hanger Size: 28.5cm	a) Thermoplastic molding compound	gm	313.83	8%	297.92
		b) Pigment	gm	6.61	8%	6.08
5.	Plastic Top Hanger Size: 44.5cm	a) Thermoplastic molding Compound	gm	583.74	8%	537.74
		b) Pigment	gm	11.91	8%	10.96
6.	Plastic Top Hanger with Plastic Bar (Heavy) Size: 17.5"	a) Thermoplastic molding compound	gm	2096.35	8%	1928.54
		b) Pigment	gm	42.78	8%	39.36
7.	Metal Hook Hanger (heavy) Size: 30cm	a) Thermoplastic molding compound	gm	238.61	8%	219.52
		b) Pigment	gm	4.87	8%	4.48
8.	Metal Hook Hanger (heavy) Size: 42.5cm	a) Thermoplastic molding Compound	gm	674.52	8%	625.96
		b) Pigment	gm	14.17	8%	13.04
9.	Metal Hook Hollow Hanger Size: 19"	a) Thermoplastic molding Compound	gm	528.35	8%	486.08
		b) Pigment	gm	10.78	8%	9.92

স্ট্যাকবোর্ড, স্ট্যাকবোর্ড, ফটো ইনলে, সাইজ টেপ, প্রাইজ টেপ ও ছাপের বোর্ড ও ভার্সফোর্ড এর ব্যবহার নিম্নরূপ :

মুঠ :

স্ট্যাক বোর্ড/ স্ট্যাকবোর্ড এর জন্য প্রথম সাজি হিসেবে

ছাপের বোর্ড = ..... + ৩% (সাপ্লাই)

100 X 100 X 1000

Elfat Poly Packaging & Acc. (Pvt.) Ltd.

*Rossain*

Managing Director

*[Signature]*  
২৪/৩/১২  
(স্বাক্ষরিত করণ)  
করদাতা সনাক্ত করণ  
৩৬ কোড নং- ৫০৪০২  
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২৪/৩/১২  
করদাতা সনাক্ত করণ  
করদাতা সনাক্ত করণ  
৩৬ কোড নং- ৫০৪০২  
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# Input- Output Co-efficient For Elfat Poly Packaging & Accessories Pvt. Ltd.

প্রতিষ্ঠানের বর্তমান আইসিএস নং- ৫২৪/কাস-পিবিজি/২০০৯  
কম্পাউন সনাক্ত করণ/অধিকাঙ্কিত সংখ্যা : ৫১৫১০২২২৯৭

এলাকা কোড নং- ৫০৪০২

Name of Product & unit	Raw Materials	General Formula for Raw material consumption
1) Plain Poly Bag Unit: 1000 Pcs	1) PP/PE (L.DPE, L.LDPE)	PP Consumption = $2 \times 1000 \times L \times W \times T \times D \text{ gm} \times 5\% \text{ Wastage}$ Sample Calculation (Say L, Length of Bag: 100 cm, W Widths of bag: 50 cm T Thickness of bag: 0.005, D Density of PP, 0.90 gm/cc) Therefore, Total PP Consumption = $1.2 \times 1000 \times 100 \times 50 \times 0.005 \times 0.90 \times 1.05 \text{ gm}$ 47250 gm = 47.25 kg 66 gm (With Wastage)
2) Printed Poly Bag (One to 4 colour) Unit: 1000 pcs	1) PP/PE (L.DPE, L.LDPE)	PP Consumption = $2 \times 1000 \times L \times W \times T \times D \text{ gm} \times 7\% \text{ - } 8\% \text{ Wastage}$ Sample Calculation (Say L, Length of Bag: 100 cm, W Widths of bag: 50 cm T Thickness of bag: 0.005, D Density of PP, 0.90 gm/cc) Therefore, Total PP Consumption = $1.2 \times 1000 \times 100 \times 50 \times 0.005 \times 0.90 \times 1.07 \text{ gm}$ 48150 gm = 48.15 kg 66 gm (With Wastage)
3) Flap Type Poly bag with gussets in bottom & adhesive tape Unit: 1000 pcs	1) PP/PE (L.DPE, L.LDPE) (For Bag)  2) Adhesive Tape (Width: 15mm)	PP Consumption = $2 \times 1000 \times (L + 5 \text{ cm}) \times (W) \times T \times D \text{ gm} \times 8\% \text{ Wastage}$ Sample Calculation (Say L, Length of Bag: 100 cm, W Widths of bag: 50 cm T Thickness of bag: 0.005, D Density of PP, 0.90 gm/cc) Therefore, Total PP Consumption = $1.2 \times 1000 \times 100 \times 50 \times 0.005 \times 0.90 \times 1.08 \text{ gm}$ 51030 gm = 51.03 kg Note: 5cm allowance for bottom gussets & flap folding Total Adhesive Tape Consumption = $1000 \times w \times 5\% \text{ wastage}$ cm Sample Calculation Say, W Width of Bag: 50 cm Therefore, Total Adhesive Consumption = $1000 \times 50 \times 1.05 \text{ cm}$ = 525.0m
4) Printed Pillow type Poly bag with bottom gusset (One to 4 colour) Unit: 1000 pcs	1) PP/PE (L.DPE, L.LDPE) (For Bag)  2) Thinner Reducer	PP Consumption = $2 \times 1000 \times (L + 5 \text{ cm}) \times (W) \times T \times D \text{ gm} \times 8\% \text{ Wastage}$ Sample Calculation (Say L, Length of Bag: 100 cm, W Widths of bag: 50 cm T Thickness of bag: 0.005, D Density of PP, 0.90 gm/cc) Therefore, Total PP Consumption = $1.2 \times 1000 \times 100 \times 50 \times 0.005 \times 0.90 \times 1.08 \text{ gm}$ 51030 gm = 51.03 kg 66 gm (With Wastage) Note: 5cm allowance for bottom gussets & pillow folding
5) Printed Poly bag with gussets in bottom & attached hanger (1 to 4 colour) Unit: 1000 Pcs	1) PP/PE (L.DPE, L.LDPE) (For Bag)  2) Polypropylene (for hanger) 3) Thinner Reducer	PP Consumption = $2 \times 1000 \times (L + 5 \text{ cm}) \times (W) \times T \times D \text{ gm} \times 10\% \text{ Wastage}$ Sample Calculation (Say L, Length of Bag: 100 cm, W Widths of bag: 50 cm T Thickness of bag: 0.005, D Density of PP, 0.90 gm/cc) Therefore, Total PP Consumption = $1.2 \times 1000 \times 100 \times 50 \times 0.005 \times 0.90 \times 1.10 \text{ gm}$ 50730 gm = 50.73 kg Note: 2.5cm allowance for gusset folding only 6.25 Kg (With Wastage) 66 gm (With Wastage)
6) Printed Poly Bag (Six Colour) Unit: 1000 Pcs	1) Polypropylene 2) Thinner Reducer	PP Consumption = $2 \times 1000 \times (L + 5 \text{ cm}) \times (W) \times T \times D \text{ gm} \times 8\% \text{ Wastage}$ Sample Calculation (Say L, Length of Bag: 100 cm, W Widths of bag: 50 cm T Thickness of bag: 0.005, D Density of PP, 0.90 gm/cc) Therefore, Total PP Consumption = $1.2 \times 1000 \times 100 \times 50 \times 0.005 \times 0.90 \times 1.08 \text{ gm}$ 48160 gm = 48.6 kg 99 gm (With Wastage)
7) printed Hanger Type Poly bag (1 to 4 colour)	3) PP/PE (L.DPE, L.LDPE) (For bag)  2) Thinner Reducer	PP Consumption = $2 \times 1000 \times L \times W \times T \times D \text{ gm} \times 7\% \text{ Wastage}$ Sample Calculation (Say L, Length of Bag: 100 cm, W Widths of bag: 50 cm T Thickness of bag: 0.005, D Density of PP, 0.90 gm/cc) Therefore, Total PP Consumption = $1.2 \times 1000 \times 100 \times 50 \times 0.005 \times 0.90 \times 1.07 \text{ gm}$ 48150 gm = 48.15 kg 66 gm (With Wastage)

Note: Thickness of the Poly bag should be of single sheet/film.  
In the above general formula D is constant but L, T & W are variables.  
For any value of L, T & W the total consumption of raw material for  
1000 pieces of poly bags can be estimated by above general formula for a  
definite type of bag by following the method shown in the sample calculation.  
For LDPE, D = Density = 0.91 gm/cc & for LLDPE, D = Density = 0.92 gm/cc  
For PP, D = Density = 0.90 gm/cc, HDPE, D = Density = 0.93 gm/cc.

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(স্বাক্ষরিত নথি)  
১১-১০-১২

১১-১০-১২  
(স্বাক্ষরিত নথি)  
১১-১০-১২