

Product or component <i>Double Edge Razor</i>		Project <i>Redesigning the Razor - RSA</i>		
Date <i>24/06/2015</i>		Author <i>Sebastian de Cabo</i>		
Notes and conclusions <i>Weights are approximate</i>				
Production Materials, treatments, transport and extra energy				
Material or process	Amount	Measure unit	Indicator	Result
Steel Low Alloy	0.027	kg	110	2.97
Steel Low Alloy Manufacture - Extrusion aluminium	0.027	kg	72	1.94
PP	0.015	kg	300.000	4.50
PP Extrusion	0.015	kg	21.000	0.32
Blade - Stainless steel (high alloy)	0.001	kg	910.000	0.9100
Electrolytic chromium plating	0.001	m2	1100.000	1.1000
Stamping - steel	20.00	mm2	0.00006	0.0012
Packaging - PET	0.014	kg	380	5.3200
Packaging - Cardboard	0.03	kg	69	2.0700
Transport from Germany (16t Truck)	0.03	tonne/km	34.000	0.88
<b>Material or Process Total [mPt]</b>				<b>20.01</b>
Use Transport, energy and possible auxiliary materials				
Process	Amount	Measure unit	Indicator	Result
Blade	1.00	no. of cartridges	2.010	2.01
Water	5.00	litres	0.026	0.13
Gel/ Shaving Foam				
<b>Use Total [mPt]</b>				<b>2.14</b>
Disposal Disposal processes for each material type				
Material and type of processing	Amount	Measure unit	Indicator	Result
Landfill PP	0.020	kg	3.500	0.07
Recycling Steel (ferro metals) + Blades	0.031	kg	-94.000	-2.91
Recycling PE	0.014	kg	-240.00	-3.36
Recycling Cardboard	0.030	kg	-8.30	-0.25
<b>Disposal Total [mPt]</b>				<b>-6.45</b>
<b>Total [mPt] (all phases)</b>				<b>15.70</b>