

Product or component <i>Gillette Razor</i>		Project <i>Redesigning the Razor - RSA</i>		
Date: 23/06/2015		Author: Sebastian de Cabo		
Production Materials, treatments, transport and extra energy				
Material or process	Amount	Measure unit	Indicator	Result
Steel Low Alloy - Body	0.038	kg	110	4.18
Steel Low Alloy Manufacture	0.038	kg	72	2.74
PP	0.020	kg	300.000	6.00
PP coextrusion	0.020	kg	21.000	0.42
Elastomer - EPDM rubber (including moulding)	0.001	kg	360.000	0.3600
Polyurethane (lubricating strip) - PUR flexible block foam	0.001	kg	480.000	0.4800
Polyurethane (lubricating strip) - PUR React. Inj. Moulding	0.001	kg	12.000	0.0120
Acrylic polymer coating - Chemicals Inorganic	0.001	kg	53.000	0.0530
Blade - Stainless steel (high alloy)	0.001	kg	910.000	0.9100
Electrolytic chromium plating	0.001	m2	1100.000	1.1000
Spot Welding - aluminium	17.000	per weld	2.700	45.9000
Stamping - steel	20.000	mm2	0.00006	0.0012
Packaging - PET	0.013	kg	380	4.9400
Packaging - Cardboard	0.020	kg	69	1.3800
Transport from Poland (International air transport)		tonne/km	72	
Transport across UK (16t Truck)	0.033	tonne/km	34.000	1.12
<b>Material or Process Total [mPt]</b>				<b>69.59</b>
Use Transport, energy and possible auxiliary materials				
Process	Amount	Measure unit	Indicator	Result
Cartridge	1.00	no. of cartridges	48.460	48.46
Water	5.00	litres	0.026	0.13
Gel/ Shaving Foam				
<b>Use Total [mPt]</b>				<b>48.59</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
Landfill Steel	0.038	kg	1.400	0.05
Landfill foam PUR 20kg/m3	0.001	kg	9.700	0.01
Recycling PE	0.013	kg	-240.00	-3.12
Recycling Cardboard	0.016	kg	-8.30	-0.13
<b>Disposal Total [mPt]</b>				<b>-3.12</b>
<b>Total [mPt] (all phases)</b>				<b>115.06</b>