Module 3: Product Description

3.2.1.2 Materials

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IQOS 3 components and parts are made out different base materials, which include different plastic resins, elastomers, metal, ceramic, glass, batteries, electronics and other materials. Details about the materials are summarized in the chapters below.

Please note as some components and parts are composite parts and are made out of multiple materials. For this reason, the same parts could be found in several chapters and tables.

1. PLASTICS

Please find the details about the various plastic materials, which were used in the manufacture of *IQOS* 3 components and parts in the table below.

Table 1: Details about plastic polymers used for *IQOS* 3 components and parts

Parts		Plastic resin type	Material details*	
Code no.**	Description		Manufacturer/ Supplier	Grade (commercial name)
***IQOS* 3 Holder**				
ASM2229	(b) (4)	Poly(methyl methacrylate) (PMMA)	(b) (4)	
		Acrylonitrile butadiene styrene (ABS)		
ASM2236		Polyether ether ketone (PEEK)		
MP.0077		Polyphthalamide (PPA) reinforced with glass fibers		
ASM2231		Polyether ether ketone (PEEK)		
		Polyphenyl sulfone (PPSU) reinforced with carbon fibers		
MP.0069		Polyether ether ketone (PEEK)		
***IQOS* 3 Char**				
ASM2239		Polycarbonate/acrylonitrile butadiene styrene (PC/ABS) blend		
		Polycarbonate (PC)		
ASM2240		Polycarbonate/acrylonitrile butadiene styrene (PC/ABS) blend		
ASM2243		Polycarbonate (PC) reinforced with glass fibers and with APWA		
ASM2245		Polycarbonate (PC)		

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Parts		Plastic resin type	Material details*	
Code no.**	Description		Manufacturer/ Supplier	Grade (commercial name)
	(b) (4)	Polyoxymethylene (POM)	(b) (4)	
MP.0089		Acrylonitrile butadiene styrene (ABS)		
MP.0090		Polycarbonate (PC)		
MSC0464		Polyimide		

Notes: (b) (4)

2. ELASTOMERS

Please find the details about the various elastomers, which were used in the manufacture of *IQOS* 3 components and parts in the table below.

Table 2: Details about elastomers used for *IQOS* 3 components and parts

Parts		Elastomer type	Material details*	
Code no.**	Description		Manufacturer/ Supplier	Grade (commercial name)
***IQOS* 3 Holder**				
MP.0076	(b) (4)	EPDM rubber	(b) (4)	
***IQOS* 3 Charger**				
ASM2239	(b) (4)	Silicone rubber		
ASM2245		Urethane foam		
BAT0243		Urethane foam		

Notes: * (b) (4)

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3. METALS

Please find the details about the various metals and alloys, which were used in the manufacture of *IQOS* 3 components and parts in the table below.

Table 3: Details about metals and alloys used for *IQOS* 3 components and parts

Parts		Metal or alloy details
Code no.**	**Description**	
***IQOS* 3 Holder**		
ASM2232		(b) (4)
ASM2236		
MSC0460		
MSC0461		
ASM2231		
MHP2503		
MP.0070		
***IQOS* 3 Charg**		
ASM2239		
ASM2240		
ASM2243		
ASM2245		
SCR0168	(b) (4)	
SCR0169		
SPR0059		
SCR0167	(b)	

Note: (b) (4)

4. GLASS AND CERAMICS

The only part that contains (b) (4) is the (b) (4) (part no. ASM2236). This is a composite part containing (b) (4) (b) (4)

5. BATTERIES AND ELECTRONICS

Batteries in both components of *IQOS* 3 System (holder and charger) contain Li-Ion batteries.

(b) (4)

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Please note that due to complex compositions of the electronics they are not discussed in this chapter.

6. OTHER MATERIALS

During the manufacture of the *IQOS* 3 components and the final assembly of the *IQOS* 3 device various adhesives, potting materials and lubricants are used. Please find their details in the table below.

Table 4: Details about adhesives, potting materials and lubricants used during the manufacture of the *IQOS* 3 components and parts and the final assembly

Parts		Material type	Material details*	
Code no.**	Description		Manufacturer/ Supplier	Grade (commercial name)
***IQOS* 3 Holder**				
ASM2229	(b) (4)	Cyanoacrylate based adhesive	(b) (4)	
ASM2236		Acetoxy silicone potting compound		
RAM.000123		Alkoxy silicone based adhesive		
RAM.000558		Polydimethylsiloxane liquid		
RAM1033		Ethoxyethyl cyanoacrylate based adhesive		
***IQOS* 3 Charg**				
ASM2240		Urethane adhesive		
ASM2243		Urethane adhesive		

Notes (b) (4)

Please note that also some *IQOS* 3 components and parts are metal plated (e.g. connectors) or painted with different paints, depending on the color of *IQOS* 3 device. All the paints are evaluated from the various physical properties and toxicological perspective and were found to be suitable. Additional information regarding the paints is available at PMP S.A.

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