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**AsahiKASEI**



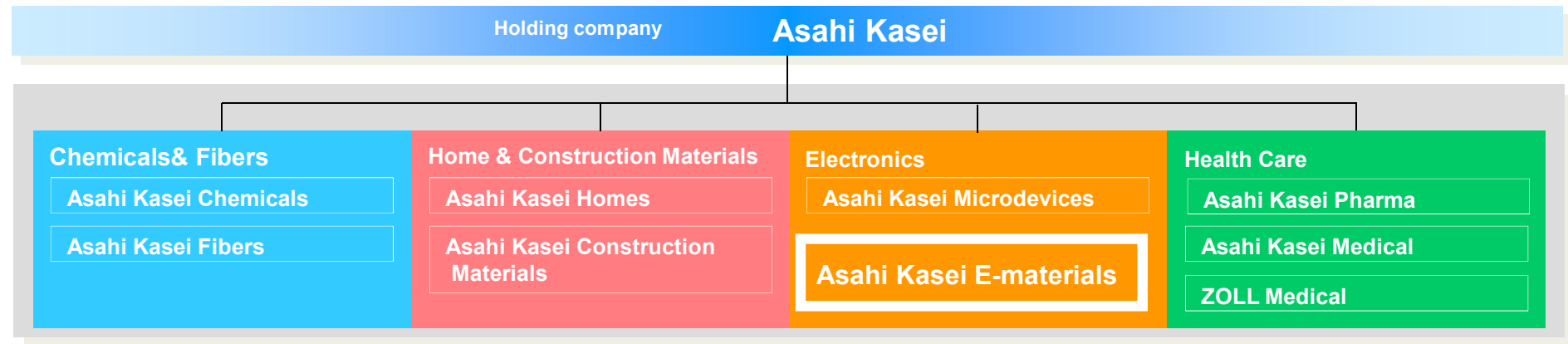
# **General introduction of Asahi Kasei & products**

**2016.04**

**Asahi KASEI Corporation  
FC materials Dept.**

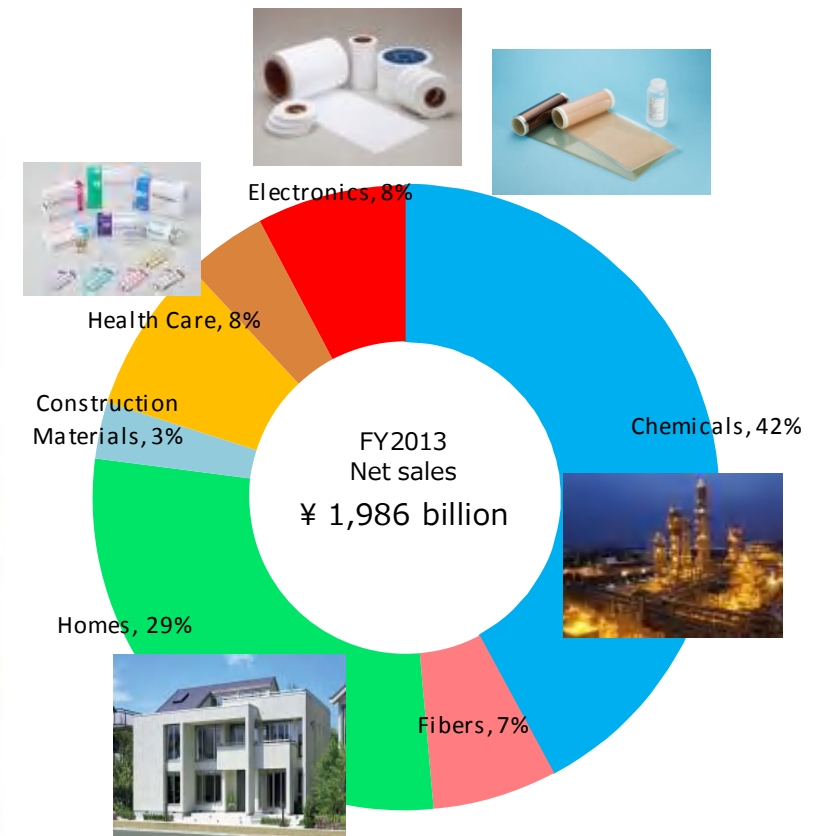
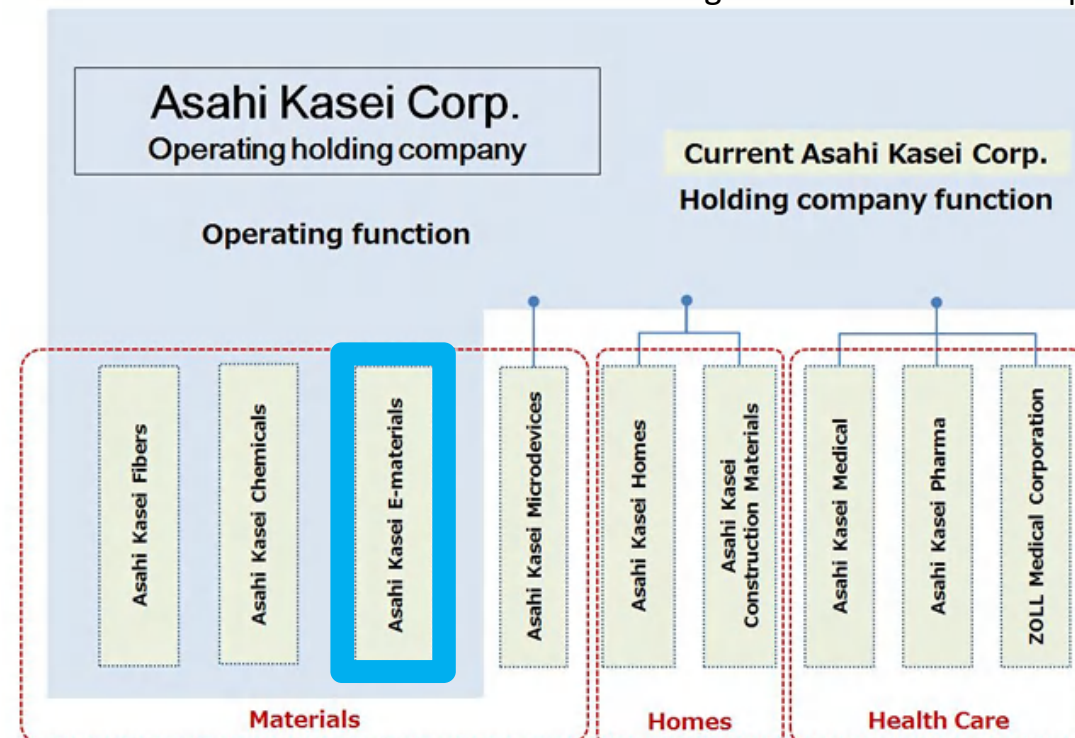
The values of this report are based on the results of experiments conducted by Asahi KASEI, and do not represent a guarantee of the values for each property.

# Reformation of Asahi Kasei Group



From 2016.4.1

Asahi Kasei E-materials was merged into Asahi Kasei Corp.



# Application of Asahi Kasei Product

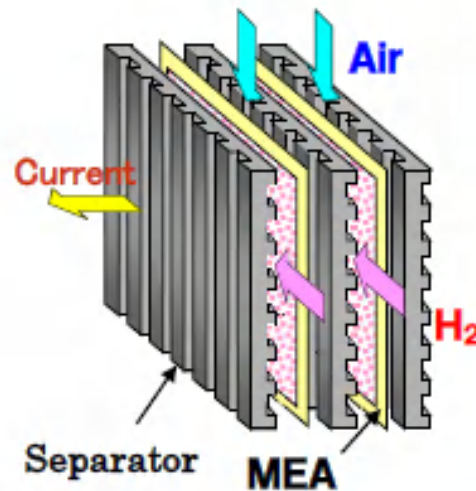
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PEFC Co-generation System

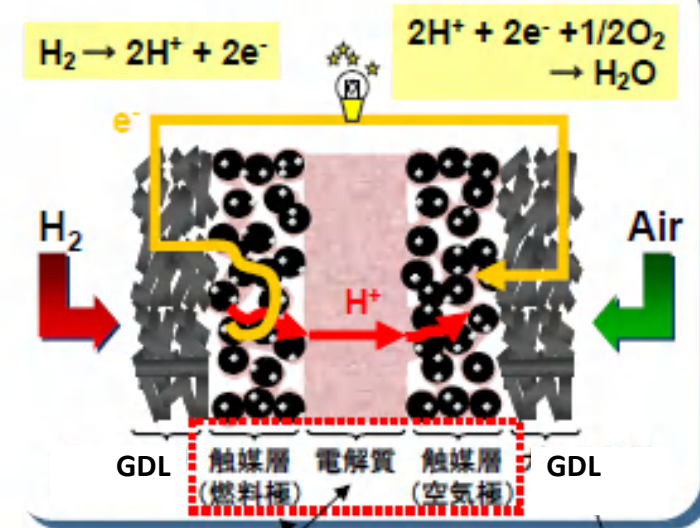


Electric Power Unit

Fuel Cell Stack



MEA



Fuel Cell Vehicle



MEA: Membrane Electrode Assembly  
PEM: Polymer Electrolyte Membrane  
GDL: Gas Diffusion Layer

## *Business bases in Japan*

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# Ionomer dispersion / Reinforced Membrane

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Grade	EW	Polymer Content	Solvent	Feature
SS700C/25	750	25 wt%	H <sub>2</sub> O: 75wt%	Higher conductivity for casting at MEA process
SS900C/15	925	15 wt%	H <sub>2</sub> O: 85wt% NPA: <1.0wt%	

Grade	EW	Standard Thickness	Feature	Application Example
SF7202	880	50μm	Additive α > Radical scavenger	Stationary Fuel Cell
SF7203	910	30μm	Additive α+Additive β improved chemical stability	
SFR7201	840	15μm	Reinforced Membrane	Automotive

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