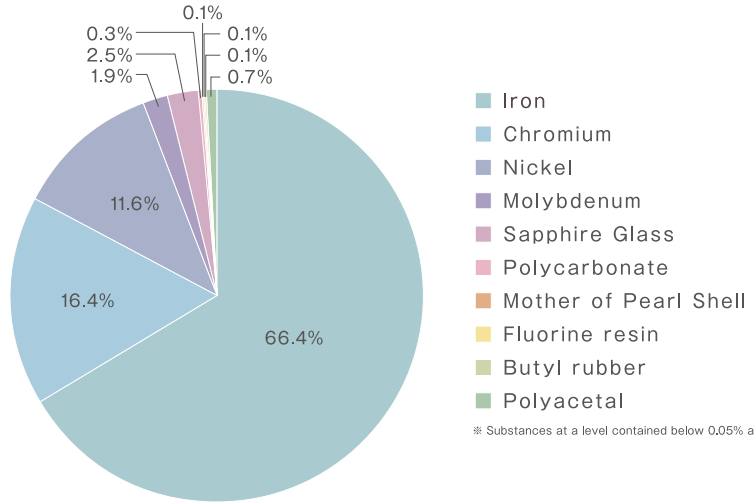


# EM0331-52D

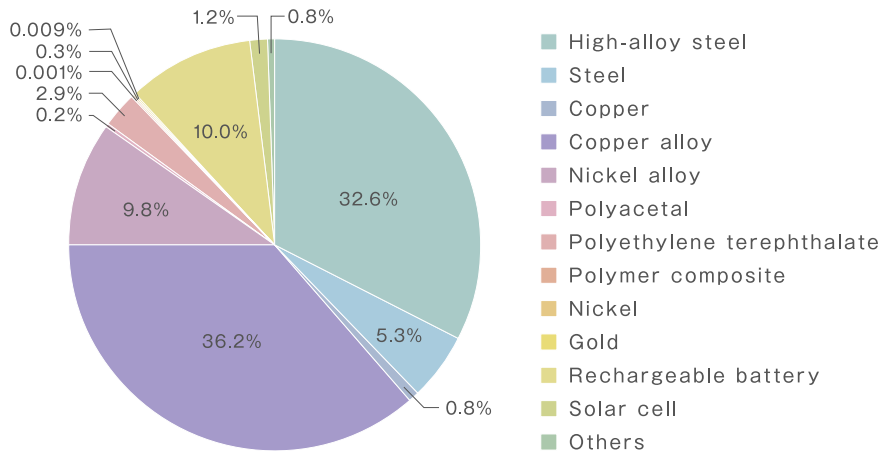


## exterior



\* Substances at a level contained below 0.05% are not listed.

## movement E031



"Others" means substances which are not disclosed by the suppliers by reason of secrets and so on. In the "Others", we have confirmed according to information from the suppliers that there are no substances exceeded the thresholds recognised as hazardous and/or substances of very high concern listed on the relevant regulations such as EU RoHS Directive and REACH Regulation.

High-alloy steel	
	%
Nickel	4.664
Iron	24.122
Chromium	3.201
Phosphorus	0.008
Manganese	0.356
Carbon	0.027
Silicon	0.178
Sulfur	0.005
Copper	0.001
Lead	0.001

Steel	
	%
Carbon	0.010
Silicon	0.002
Manganese	0.009
Phosphorus	0.0002
Sulfur	0.001
Aluminum	0.0002
Iron	5.051
Nickel	0.015
Lead	0.009
Cobalt	0.161
Copper	0.010
Chromium	0.002

Copper Alloy	
	%
Lead	0.017
Copper	23.445
Tin	0.019
Phosphorus	0.002
Zinc	12.123
Nickel	0.020
Cobalt	0.0002
Beryllium	0.001
Manganese	0.108
Others	0.436

Nickel Alloy	
	%
Nickel	6.170
Copper	0.208
Others	3.372