

Powertrain



Plastic Intensive Fluid Filter Module

OEM/Vehicle

**2010MY Daimler AG-Mercedes Car
Group: Mercedes® C-Class
Compact Executive Sedan**

System Supplier

Mahle Filtersysteme GmbH

Material Processor

Mahle Filtersysteme GmbH

Material Supplier

Lanxess

Resin

Durethan® AKV 35%-GR PA 6/6

Tooling/Equipment Supplier

Mahle Filtersysteme GmbH



This fluid module filters engine oil and cools it via cooling liquid. The cooling unit is fully integrated into a new plastic housing that provides 38% weight and 16% cost reductions and reduces pressure losses for higher engine efficiency. The 35%-glass-reinforced nylon 6/6 shell covering the cooling unit serves to stiffen the filter housing against oscillation. A plastic hose replaces rubber for further cost savings.