



Inteva Products



Thermoplastic Window Regulator

Inteva Products applied lightweighting and materials expertise to the engineering process of improved window regulator guide rails. By replacing steel or aluminum with thermoplastic 30% glass-reinforced polypropylene (GFPP) and adapting existing processes to allow for the manufacture and engineering of these without additional steps, they reduced the weight of the front door rails by 23% the rear doors by 14%. The GFPP series compounds also provide increased strength, stiffness, surface hardness, and improved creep resistance under higher continuous temperatures.

Category:
Module

Application:
2018 Peugeot DS7

Weight Savings:
23%
Lighter than comparable components

Methodology:
Material Replacement

Presented in partnership with:



Supported by:

