Performance Solutions:
If one were to reflect on the essential elements when crafting today's headlight and fog lamp housings, various factors would come to mind, such as high heat resistance, multiple lighting functions, design flexibility, and cost effectiveness. Ultrason® E Polyethersulfone (PES) provides all of these advantages and more.

Head light reflectors and fog lamp housings also require the material to be injection molded with ease. The surface must yield an impeccable high gloss surface quality, and be temperature resistant, as well as effectively impact metallizable surfaces.

Providing density advantages and increased design capabilities, Ultrason E greatly benefits customers by lowering capital costs through dramatically reducing the number of assembly steps, and the use of reground material in comparison to BMC (Bulk Molding Compound). From an environmental perspective, Ultrason E, in contrast to BMC, possesses a lower part weight, therefore decreasing overall weight, reducing the amount of gas required to operate the vehicle.

Benefits for Parts Manufacturers & Injection Molders include:
• Consistent quality of the Ultrason E grades is available on a global level
• Lower system cost with reduction in wall thickness
• Dramatic reduction in assembly steps over BMC
• Increased design flexibility
• Lower part weight compared to BMC

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