

鬱高耐衝撃軽量発泡ドアトリム

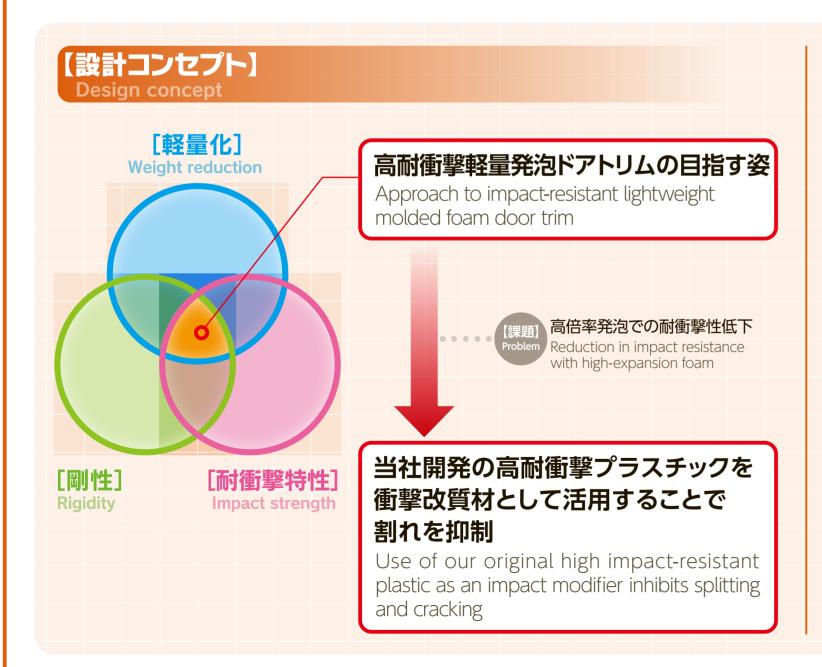
Lightweight Molded Foam Door Trims with High Impact-resistance

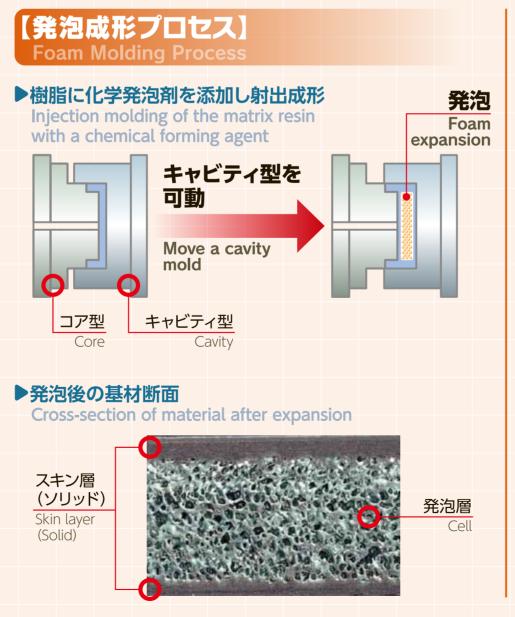
高耐衝撃プラスチックを衝撃改質材として活用することで実現した、 車両側突試験でシャープエッジ破壊*1しにくい世界トップクラスの軽量発泡ドアトリム。 (従来比約30%軽量化)

This world-class lightweight molded foam door trim (30% lighter than conventional materials) uses high impact-resistant plastic as a modifier, inhibiting sharp edge fracturing*1 in vehicle collision tests.

*1 シャープエッジ破壊: 搭乗者を傷付けてしまう形(鋭角)に材料が破壊される状態 Scattered a sharp angle in such a way as to harm passengers

FEATURE





【割れ抑制メカニズム】 Mechanism in suppressing splitting 衝撃時にサラミ構造中の柔らかいゴムが、効率的にクレーズ*2を発生 させることでエネルギーを分散し、衝撃を吸収。 During an impact, the soft rubber within the salami structure efficiently generates crazing*2, dispersing and absorbing the energy of the impact. ▶衝撃吸収のイメージ Illustration of impact absorption 柔らかい(ゴム) image of material after vehicle

Generation of microscopic cracks when energy is input in an impact.

*2 クレーズ:衝撃入力時に発生する微小なひび割れ