A Processing study of automotive interior parts used TPO micro cellular foaming materials

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Recently, the trend of automotive interior parts is focused on improvement of light weight materials. Thermoplastic olefins(TPO) are being used for injection molded or extruded automotive exterior parts. Due to lack of melt strength of the polypropylene base resin, the thermoformable TPO are still under development for automotive interior skins. Thermoplastic olefins(TPO) are currently evaluated as a potential replacement of PVC or ABS blends in automotive interior skins such as Door Trim(D/T), and Crash Pad(C/Pad) skins, In this study, micro cellular foaming materials applied new styling Crash Pad were investigated.