

Title (en)  
THERMOSET INTERPOLYMERS AND FOAMS

Title (de)  
THERMOHÄRTBARE COPOLYMERE UND SCHÄUME

Title (fr)  
INTERPOLYMERES ET MOUSSES THERMODURCIS

Publication  
**EP 1007577 A1 20000614 (EN)**

Application  
**EP 98941063 A 19980826**

Priority

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Abstract (en)  
[origin: WO9910395A1] The subject invention provides a thermoset elastomer comprising a crosslinked pseudo-random or substantially random interpolymers of: (a) from 15 to 70 weight percent of at least one alpha -olefin, (b) from 30 to 70 weight percent of at least one vinylidene aromatic compound, and (c) from 0 to 15 weight percent of at least one diene. The subject invention further provides a thermoplastic vulcanizate comprising the thermoset elastomers of the invention as provided in a thermoplastic polyolefin matrix. The subject invention further provides processes for preparing the inventive thermoset elastomers and thermoplastic vulcanizates, as well as parts fabricated therefrom. The inventive materials have a superior balance of properties, as compared to EPM and EPDM based materials. The subject invention also pertains to foams and methods for their preparation.

IPC 1-7  
**C08F 210/00**; **C08F 212/08**; **C08F 8/42**; **C08L 23/08**

IPC 8 full level  
**C08F 8/42** (2006.01); **C08F 10/00** (2006.01); **C08F 210/00** (2006.01); **C08J 3/24** (2006.01); **C08F 212/08** (2006.01); **C08J 5/00** (2006.01); **C08J 9/00** (2006.01); **C08J 9/10** (2006.01); **C08L 23/02** (2006.01); **C08L 23/08** (2006.01); **C08L 23/10** (2006.01); **C08L 25/00** (2006.01); **C08L 53/02** (2006.01); **D01F 6/30** (2006.01); **C08F 4/659** (2006.01)

IPC 8 main group level  
**C08F** (2006.01); **C08L** (2006.01)

CPC (source: EP KR)  
**C08F 4/65908** (2013.01 - KR); **C08F 4/65912** (2013.01 - KR); **C08F 4/6592** (2013.01 - KR); **C08F 10/00** (2013.01 - EP); **C08F 210/00** (2013.01 - KR); **C08F 212/08** (2013.01 - KR); **C08F 212/12** (2013.01 - KR); **C08F 236/04** (2013.01 - KR); **C08J 9/06** (2013.01 - KR); **C08L 23/02** (2013.01 - EP); **C08L 23/10** (2013.01 - EP); **C08L 53/02** (2013.01 - EP); **C08L 53/025** (2013.01 - EP); **C08F 4/65908** (2013.01 - EP); **C08F 4/65912** (2013.01 - EP); **C08F 210/02** (2013.01 - EP); **C08L 23/0838** (2013.01 - EP); **C08L 2205/22** (2013.01 - EP); **C08L 2314/06** (2013.01 - EP)

C-Set (source: EP)  
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2. **C08L 23/02** + **C08L 2666/04**  
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