Jounce Bumper made of Hytrel®
for automotive suspension strut

Application description

DuPont has developed a thermoplastic Jounce Bumper (also called spring aid) associating
• A specific design to replace incumbent polyurethane foam
• Hytrel® thermoplastic polyester elastomer providing stiffness, elasticity and durability

Features and benefits:

• **Cost savings** with Ossberger blow moulding process and the integration of the dust cover
• **High degree of driver comfort** due to low rigidity of the bumper at low displacement
• No contact with the shock absorber rod **eliminating noise and abrasion**
• **High safety** by constant suspension travel at high loads even after severe ageing and fatigue tests
• **Excellent performance even at low temperature and under wet conditions**
• **Durable assembly** using snap fit design

And maintaining key features of automotive jounce bumper
• **High elasticity**
• **High energy absorption** and progressive response
• **High chemical resistance** (ozone, oils, greases, aliphatic hydrocarbons, hydrolysis, zinc chloride, ...)

Contact us!

DuPont™ supports you from development until commercialization with the right material and technical resources to help you design, validate and produce a superior suspension component.

Please contact the nearest DuPont™ representative for your country.

For more information please contact:

Thierry Donis
Tel: +33 1 41 97 4544
Email : thierry.donis@dupont.com

Johannes Kloock
Tel: +49 6102 18 2756
Email : johannes.kloock@dupont.com

For more information on DuPont Performance Materials

Europe / Middle East / Africa
DuPont de Nemours International S.A.
2, Chemin du Pavillon
1218 Le Grand-Saconnex
Switzerland
Tel. +41 22 717 5111

Asia Pacific
DuPont China Ltd.
26/F, Tower 6, The Gateway,
9 Canton Road
Tsimshatsui, Kowloon,
Hong Kong
Tel. +852 2734 5345

North America
DuPont Performance Materials
Chesnut Run Plaza, Bldg. 713,
Wilmington, Delaware
USA
Tel. +1302-999-4592

South America
DuPont Do Brasil S.A.
Alameda Itapeuru, 506
06454-080 Barueri, SP
Brasil
Telephone +5511 4166 8299

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