

Proven performance for flexible engineered automotive parts

Energy lives here™

Santoprene™ thermoplastic vulcanizates (TPVs) have a successful track record for flexible, high-quality engineered parts used in a wide range of automotive applications. Combining the characteristics of vulcanized rubber with the processing ease of thermoplastics, Santoprene TPVs deliver excellent long-term performance, the potential for reduced system costs, and the possibility of sustainability benefits.

Under chassis

Steering boots
Suspension boots
Control cables
Air dams

Under hood

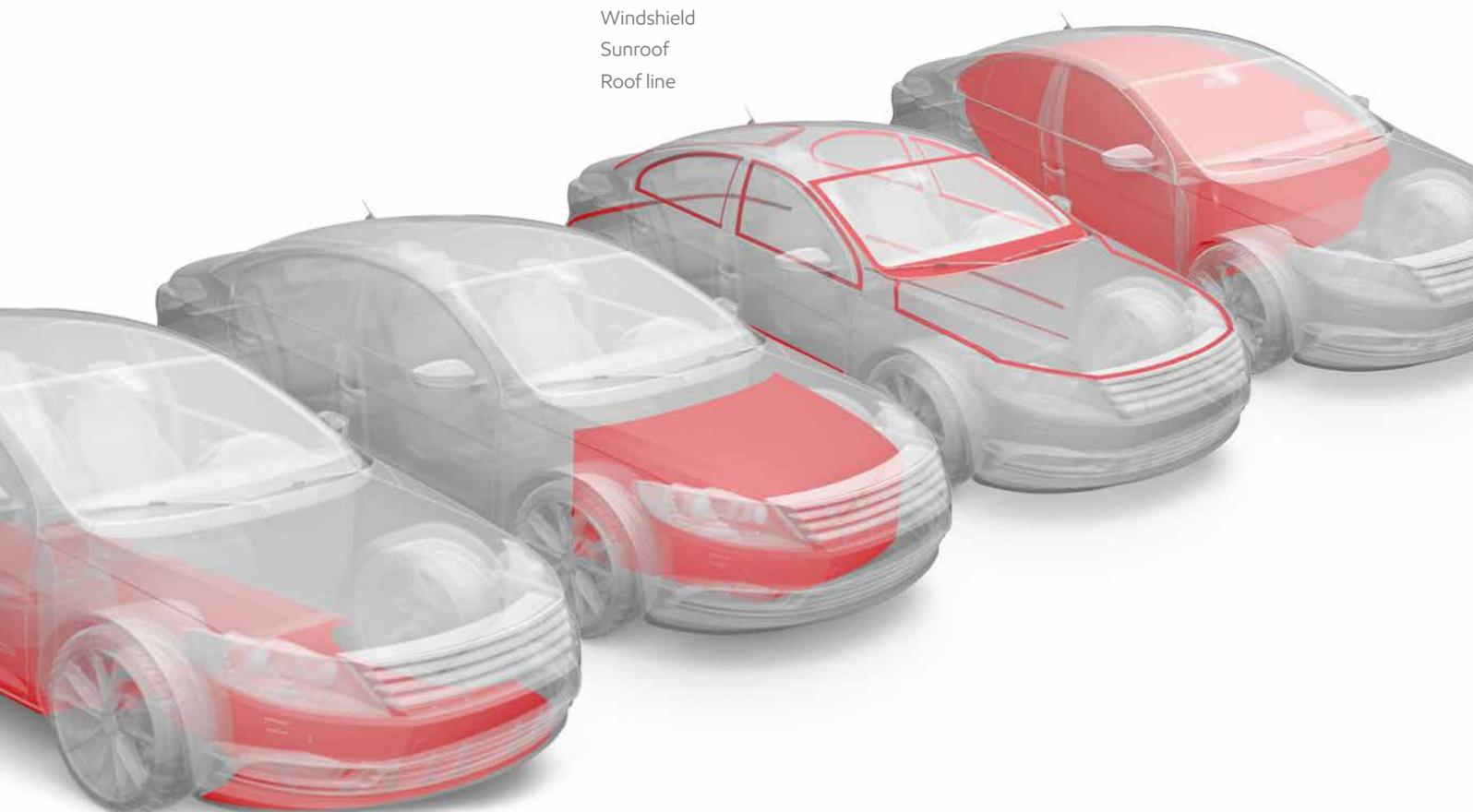
Air duct systems
Plugs, bumpers and grommets
Tubes and connectors
Fuel line systems

Weatherseals

Glass encapsulation
Inner belt line
Outer belt line
End cap and corner molding
Glass run channel
Cowl vent/Hood to cowl
Cut line
Gap filler
Tailgate/trunk
Windshield
Sunroof
Roof line

Interior

Flapper door seals
Steering column cover
Mats and cup holders
Handles and grips
IP to windshield gap fillers
Thumb wheels



Santoprene™ TPV gradeslate

| | Santoprene TPV Grade | Color* | Hardness | Features |
|--------------------------------|----------------------|--------|---------------|--|
| Basic molding and/or extrusion | 101-xx/103-xx | B | 55A – 50D | <ul style="list-style-type: none"> General purpose grades Highest level of elastomeric properties (e.g., lowest compression/tension set) |
| | 201-xx/203-xx | C | 55A – 50D | |
| | 8201-xx | C | 60A – 90A | <ul style="list-style-type: none"> Enhanced colorability |
| | 8211-xx | C | 35A – 75A | <ul style="list-style-type: none"> Improved flow for easier processability Enhanced colorability |
| Glass encapsulation | 121-xxM200 | B | 60A, 75A | <ul style="list-style-type: none"> Best flow for superior aspect parts Higher gloss which can be tailored with mold surface |
| | 121-xxM100 | B | 50A – 85A | <ul style="list-style-type: none"> Improved flow for easier processability |
| | 121-55W241 | B | 55A | <ul style="list-style-type: none"> Improved elastic recovery for stretch assembly |
| Interior | 121-70M350 | B | 70A | <ul style="list-style-type: none"> Improved scratch and mar resistance |
| | 8221-xxM300 | C | 55A-30D | <ul style="list-style-type: none"> Improved flow for easier processability |
| Extrusion | 121-xxW175 | B | 58A-50D | <ul style="list-style-type: none"> Designed and released against specific extrusion performance criteria |
| | 9101-80E | B | 80A | <ul style="list-style-type: none"> Optimal system cost performance |
| | 121-50E500 | B | 50A | <ul style="list-style-type: none"> Controlled rheology for robotic extrusion |
| | 161-80F260 | B | 80A | <ul style="list-style-type: none"> Optimized for foaming |
| Slip coat | 123-52W242 | B | 52D | <ul style="list-style-type: none"> Low friction |
| Corner molding | 121-xxB200 | B | 65A, 80A | <ul style="list-style-type: none"> Bonds to EPDM Higher gloss for surface matching |
| | 121-xxB230 | B | 70A, 80A | <ul style="list-style-type: none"> Bonds to TPV, EPDM and PP Lower CoF to reduce friction |
| | 121-xxB260 | B | 40A, 70A, 80A | <ul style="list-style-type: none"> Improved bonding to TPV, EPDM and PP Low CoF to reduce friction |
| Special bonding | 8211-55B100 | C | 55A | <ul style="list-style-type: none"> Bonds to PC, ABS, PS and other engineering thermoplastics (ETPs) |
| | 8191-55B100 | B | 55A | |
| | 291-xxB150 | C | 60A, 75A | <ul style="list-style-type: none"> B100 grades also bond to PP |
| | 8291-85TL | C | 85A | <ul style="list-style-type: none"> Bonds to metal and PP |

* B = Black
C = Colorable



Contact us for more information:
santoprene.com

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