

## ExxonMobil Santoprene® 8291-55PA Thermoplastic Elastomer (discontinued \*\*)

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Vulcanizate Elastomer (TPV)

### Material Notes:

A soft, colorable, specialty thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. It is especially formulated to bond to PA-6 and blends thereof for applications where hard/soft combinations are required. This grade of Santoprene TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding or extrusion. It is polyolefin based and completely recyclable. Adhesion values can vary according to type of nylon used, tool design and processing conditions. Information provided by Advanced Elastomer Systems

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Santoprene-8291-55PA-Thermoplastic-Elastomer-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-Santoprene-8291-55PA-Thermoplastic-Elastomer-nbspdiscontinued-.php)

| Physical Properties | Metric     | English    | Comments        |
|---------------------|------------|------------|-----------------|
| Specific Gravity    | 0.930 g/cc | 0.930 g/cc | 23°C; ASTM D792 |

| Mechanical Properties      | Metric                   | English                    | Comments                        |
|----------------------------|--------------------------|----------------------------|---------------------------------|
| Hardness, Shore A          | 55<br>@Thickness 2.00 mm | 55<br>@Thickness 0.0787 in | ISO 868                         |
| Tensile Strength at Break  | 2.699 MPa                | 391.5 psi                  | Air at 257°F, 168 hr; ASTM D573 |
|                            | 3.10 MPa                 | 450 psi                    | Across Flow; ASTM D412          |
|                            | 3.258 MPa                | 472.5 psi                  | Air at 158°F, 168 hr; ASTM D573 |
| Tensile Strength, Ultimate | 1.93 MPa                 | 280 psi                    | Across Flow; ASTM D412          |
| Elongation at Break        | 360 %                    | 360 %                      | Across Flow; ASTM D412          |
| Tear Strength              | 11.2 kN/m                | 64.0 pli                   | 73°F, Die C; ASTM D624          |

| Descriptive Properties | Value         | Comments |
|------------------------|---------------|----------|
| Color                  | Natural Color |          |
| Form                   | Pellets       |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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