

# Santoprene™ 691-73W175

Thermoplastic Vulcanizate

ExxonMobil Chemical

## Message:

It is a soft, colorable thermoplastic vulcanized elastomer (TPV) in the thermoplastic elastomer (TPE) series. This material is suitable for thin walls, architectural glass and sealing fields. This brand of Sanduping TPV is a shear rate dependent product that can be processed on conventional thermoplastic extrusion or thermoforming equipment. This is a polyolefin-based material that can be recycled in the production process.

| General Information |                           |
|---------------------|---------------------------|
| Features            | Recyclable materials      |
| RoHS Compliance     | RoHS compliance           |
| Appearance          | Natural color             |
| Forms               | Particle                  |
| Processing Method   | Co-extrusion molding      |
|                     | Extrusion                 |
|                     | Sheet extrusion molding   |
|                     | Thermoforming             |
|                     | Profile extrusion molding |

| Physical                                              | Nominal Value | Unit              | Test Method       |
|-------------------------------------------------------|---------------|-------------------|-------------------|
| Specific Gravity                                      |               |                   |                   |
| --                                                    | 0.958         | g/cm <sup>3</sup> | ASTM D792         |
| --                                                    | 0.960         | g/cm <sup>3</sup> | ISO 1183          |
| Hardness                                              | Nominal Value | Unit              | Test Method       |
| Durometer Hardness (Shaw A, 15 seconds, 23°C, 2.00mm) | 78            |                   | ISO 868           |
| Elastomers                                            | Nominal Value | Unit              | Test Method       |
| Tensile Stress - Across Flow (100% Strain, 23°C)      | 3.40          | MPa               | ASTM D412, ISO 37 |
| Tensile Strength - Across Flow (Break, 23°C)          | 8.30          | MPa               | ASTM D412, ISO 37 |
| Tensile Elongation - Across Flow (Break, 23°C)        | 470           | %                 | ASTM D412, ISO 37 |

| Additional Information                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 如果适用,这是基于扇形浇口注塑成型的平板测试结果.拉伸强度,伸长率和拉伸应力沿垂直流动方向测定 - ISO 1 型,ASTM die C.从埃克森美孚欧洲分支机构直接购买的所有产品都符合 REACH 法规. 对于埃克森 美孚未进口至欧洲的产品,用户应自行评估其是否满足 REACH 法规. |
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| Extrusion instructions                                                                                                                           |

Santoprene TPV与乙缩醛和PVC不相容.更多关于加工和模具设计的信息,请查阅我们的《挤出成型指南》.

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