

# Sylvin 6177-80 Orange 582

Polyvinyl Chloride  
Sylvin Technologies Incorporated

Message:

Sylvin 6177-80 Orange 582 Is A RoHS Compliant Vinyl Compound Formulated For Outdoor Cable Jacketing Applications. This Compound Has A Underwriters Laboratories Approval For 720 Hour Sunlight Resistance.

| General Information        |                             |                   |             |
|----------------------------|-----------------------------|-------------------|-------------|
| Uses                       | Cable sheath                |                   |             |
|                            | Wire and cable applications |                   |             |
| RoHS Compliance            | RoHS compliance             |                   |             |
| Appearance                 | Orange                      |                   |             |
| Processing Method          | Extrusion                   |                   |             |
| Physical                   | Nominal Value               | Unit              | Test Method |
| Specific Gravity           | 1.36                        | g/cm <sup>3</sup> | ASTM D792   |
| Hardness                   | Nominal Value               | Unit              | Test Method |
| Durometer Hardness         |                             |                   | ASTM D2240  |
| Shaw A                     | 80                          |                   | ASTM D2240  |
| Shaw A, 10 seconds         | 80                          |                   | ASTM D2240  |
| Mechanical                 | Nominal Value               | Unit              | Test Method |
| Tensile Strength (Break)   | 13.8                        | MPa               | ASTM D638   |
| Tensile Elongation (Break) | 360                         | %                 | ASTM D638   |
| Elastomers                 | Nominal Value               | Unit              | Test Method |
| Tear Strength              | 59.5                        | kN/m              | ASTM D624   |
| Thermal                    | Nominal Value               | Unit              | Test Method |
| Continuous Use Temperature | 60.0                        | °C                | ASTM D794   |
| Brittleness Temperature    | -32.0                       | °C                | ASTM D746   |
| Melting Temperature        | 166 - 177                   | °C                |             |
| Flammability               | Nominal Value               | Unit              | Test Method |
| Oxygen Index               | 25                          | %                 | ASTM D2863  |
| Flammability               | VW-1                        |                   | UL 1581     |

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