



Technical Data Sheet

19-Aug-13

GRADE : SH-100

Product Characteristics

General

| | |
|-------------------|--|
| Application | ● Cable Insulation |
| Processing Method | ● Extrusion |
| | ● Processing Temperature : 150°C ~ 210°C |
| Features | ● Silane Crosslinkable Polyethylene |
| Forms | ● Pellets |

Technical Properties

| Physical | Unit | Spec' | Value | Method |
|---|---------------------|----------|-------|-----------|
| Specific Gravity | g/cc | - | 0.92 | ASTM D792 |
| Mechanical | Unit | | Value | REMARK |
| Tensile Strength | Kgf/cm ² | 127 ↑ | 210 | IEC 60502 |
| Elongation | % | 200 ↑ | 600 | IEC 60502 |
| HOT/SET | Unit | | Value | REMARK |
| Air Oven (200°C 15Min, 30N/cm ²) | | | | |
| HOT Elongation | % | 100% ↓ | 120 | IEC 60502 |
| SET Permanent | % | 10% ↓ | 15 | IEC 60502 |
| Aging | Unit | | Value | REMARK |
| Air Oven Aging Retention (135°C × 168 hr) | | | | |
| Tensile Strength | % | 100 ± 25 | 98 | IEC 60502 |
| Elongation | % | 100 ± 25 | 95 | IEC 60502 |
| Shrinkage | Unit | | Value | Method |
| | % | 4% ↓ | 4% ↓ | IEC 60502 |

Curing Condition

95°C HOT WATER * 3Hr

NOTE : Typical value ; not to be construed as specification (Measured on T-Die Extruded Sheet)

Head Office #1237-5, Jeongwang-dong, Shihung-shi, Kyunggi-do, Korea

www.tscanycom.com

Tel : 82-31-497-7171

Fax : 82-31-497-7952