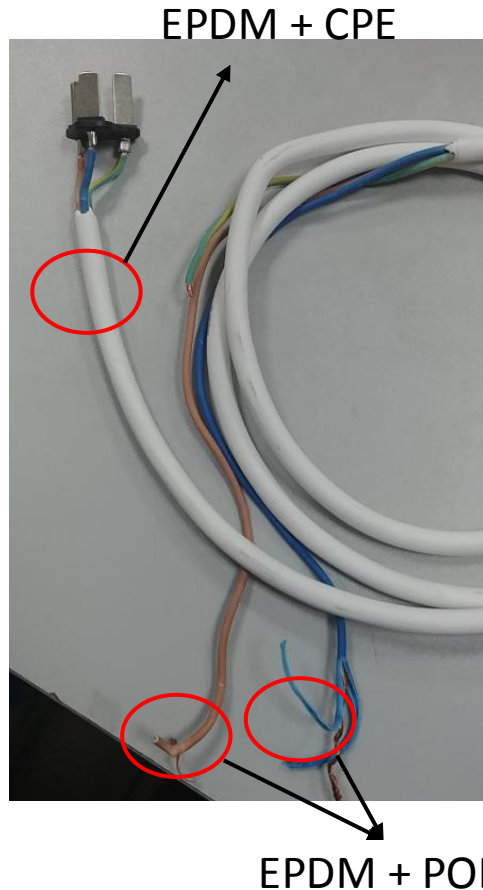


POE Case Study– Wire & Cable

POE LC168 is used for rubber cable , blending with EPDM
to improve processability and surface smoothness.



• Purpose of POE blending

- Lower MV (Mooney viscosity) & less sticky after minxing POE with EPDM
 - Good surface smoothness
 - Improve processability

| Condition | Item | Unit | 1 | 2 | 3 |
|-----------------|------|------|------------|------------------|------------------|
| | | | EPDM 100 % | EPDM 90+POE 10 % | EPDM 85+POE 15 % |
| ML1+4 at 100°C | MB | MU | 62 | 57 | 55 |
| | FM | MU | 59 | 55 | 54 |
| Scorch at 125°C | MV | MU | 42.3 | 39.3 | 38.0 |
| | t5 | min | 14.1 | 15.4 | 15.9 |
| | t35 | min | 21.4 | 23.6 | 24.2 |

• Key Property

- Volume resistivity after aging(100°C, 400hr)
- Tensile strength