

# S&E; Wire & Cable CPE-01-266A-405 BLACK

Polyvinyl Chloride  
S&E; Specialty Polymers, LLC

Message:

90° C, oil resistant CPE based, FT4, 210,000 BTU wire and cable jacketing material with enhanced tear properties and flexibility.

| General Information                                  |                           |                   |             |
|--|---------------------------|-------------------|-------------|
| Features   | Good Flexibility          |                   |             |
|  | Good Tear Strength        |                   |             |
|  | Oil Resistant             |                   |             |
| Uses   | Wire & Cable Applications |                   |             |
| Wire Types   | FT-4                      |                   |             |
| Appearance   | Black                     |                   |             |
| Forms  | Pellets                   |                   |             |
| Physical   | Nominal Value             | Unit              | Test Method |
| Specific Gravity                                     | 1.35 to 1.41              | g/cm <sup>3</sup> | ASTM D792   |
| Hardness   | Nominal Value             | Unit              | Test Method |
| Durometer Hardness                                   |                           |                   | ASTM D2240  |
| Shore A  | 95                        |                   |             |
| Shore A, 3 sec                                       | 87 to 93                  |                   |             |
| Elastomers   | Nominal Value             | Unit              | Test Method |
| Tensile Strength (Yield)                             | 12.4                      | MPa               | ASTM D412   |
| Tensile Elongation (Break)                           | 330                       | %                 | ASTM D412   |
| Aging  | Nominal Value             | Unit              | Test Method |
| Change in Tensile Strength in Air (121°C, 168 hr)    | 10                        | %                 | UL 1581     |
| Change in Ultimate Elongation in Air (121°C, 168 hr) | -20                       | %                 | ASTM D573   |
| Thermal  | Nominal Value             | Unit              | Test Method |
| Brittleness Temperature                              | < -26.7                   | °C                | ASTM D746   |
| Flammability   | Nominal Value             | Unit              | Test Method |
| Oxygen Index   | 36                        | %                 | ASTM D2863  |

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