

# Sevrene® 6750-70A

Thermoplastic Elastomer

Vi-Chem Corporation

Message:

Sevrene® 6750-70A is a Thermoplastic Elastomer (TPE) material. It is available in North America.

| General Information                               |                                     |                   |               |
|---------------------------------------------------|-------------------------------------|-------------------|---------------|
| Physical                                          | Nominal Value                       | Unit              | Test Method   |
| Density                                           | 1.14                                | g/cm <sup>3</sup> | ISO 1183      |
| Melt Mass-Flow Rate (MFR) (230°C/2.06 kg)         | 5.0                                 | g/10 min          | ISO 1133      |
| Hardness                                          | Nominal Value                       | Unit              | Test Method   |
| Shore Hardness (Shore A)                          | 71                                  |                   | ISO 868       |
| Mechanical                                        | Nominal Value                       | Unit              | Test Method   |
| Tensile Stress                                    | 3.90                                | MPa               | ISO 527-2/300 |
| Tensile Strain (Break)                            | 460                                 | %                 | ISO 527-2/300 |
| Wear Resistance <sup>1</sup>                      | 6.70                                |                   | SAE J948      |
| Change in Durometer Hardness - A                  | 3.0                                 | %                 | ASTM D573     |
| Change in Tear Strength (80°C) <sup>2</sup>       | 10                                  | %                 | ISO 188       |
| Bending Test <sup>3</sup>                         | No Cracking                         |                   | ASTM D573     |
| Cold Flexibility (-30°C)                          | No Cracks                           |                   |               |
| Fogging <sup>4</sup>                              |                                     |                   | SAE J1756     |
| 1 hr                                              | 50                                  | %                 |               |
| Dry, 16 hr                                        | 89                                  | %                 |               |
| Fade Resistance <sup>5</sup>                      | 4.00                                |                   | SAE J1885     |
| Mass                                              | 6.00                                | kg/m <sup>2</sup> |               |
| Odor Rating <sup>6</sup>                          |                                     |                   | SAE J1351     |
| Dry                                               | 1.30                                |                   |               |
| Wet                                               | 1.00                                |                   |               |
| Resistance to H2S <sup>7</sup>                    | Rating 5                            |                   |               |
| Tear Strength                                     | 22.0                                |                   | ASTM D624     |
| Aging                                             | Nominal Value                       | Unit              | Test Method   |
| Change in Tensile Strength in Air (80°C, 1000 hr) | 3.0                                 | %                 | ASTM D573     |
| Flammability                                      | Nominal Value                       | Unit              | Test Method   |
| Burning Rate <sup>8</sup>                         | 28                                  | mm/min            | ISO 3795      |
| NOTE                                              |                                     |                   |               |
| 1.                                                | 1 kg load, CS#10 Wheel, 1000 cycles |                   |               |
| 2.                                                | 1000 hr                             |                   |               |
| 3.                                                | 180° around 1.6 mm rod              |                   |               |

|    |                       |
|----|-----------------------|
| 4. | 3 hr @ 100/21°C       |
| 5. | 112 kJ/m <sup>2</sup> |
| 6. | FLTN BO 131-01        |
| 7. | FLTM AN 102-01        |
| 8. | SAE J369              |

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### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

