

# Vi-Chem PVC V143-70E

Flexible Polyvinyl Chloride

Vi-Chem Corporation

## Message:

Vi-Chem PVC V143-70E is a Flexible Polyvinyl Chloride material. It is available in North America for extrusion.

| General Information                                  |                   |                   |             |
|------------------------------------------------------|-------------------|-------------------|-------------|
| Forms                                                | Pellets           |                   |             |
| Processing Method                                    | Extrusion         |                   |             |
| Physical                                             | Nominal Value     | Unit              | Test Method |
| Specific Gravity                                     | 1.30              | g/cm <sup>3</sup> | ASTM D792A  |
| Hardness                                             | Nominal Value     | Unit              | Test Method |
| Durometer Hardness (Shore A)                         | 70                |                   | ASTM D2240  |
| Mechanical                                           | Nominal Value     | Unit              | Test Method |
| Tensile Strength <sup>1</sup>                        | 10.3              | MPa               | ASTM D638   |
| Tensile Elongation (Break)                           | 400               | %                 | ASTM D638   |
| Elastomers                                           | Nominal Value     | Unit              | Test Method |
| Tear Strength <sup>2</sup>                           | 30.0              | kN/m              | ASTM D624   |
| Aging                                                | Nominal Value     | Unit              | Test Method |
| Change in Tensile Strength in Air (85°C, 1000 hr)    | 0.10              | %                 | ASTM D573   |
| Change in Ultimate Elongation in Air (85°C, 1000 hr) | 2.8               | %                 | ASTM D573   |
| Change in Mass in Air (85.0°C, 1000 hr)              | 0.70              | %                 | ASTM D573   |
| Thermal                                              | Nominal Value     |                   |             |
| Cold Flexibility (-34°C, 1.90 to 2.00 cm)            | No cracking       |                   |             |
| Flammability                                         | SE                |                   | ISO 3795    |
| Fogging <sup>3</sup>                                 | 76.0              |                   |             |
| Soiling                                              | < 3.4             | %                 |             |
| NOTE                                                 |                   |                   |             |
| 1.                                                   | 500 mm/min        |                   |             |
| 2.                                                   | Die C, 500 mm/min |                   |             |
| 3.                                                   | FLTM BO116-03     |                   |             |

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Recommended distributors for this material

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

