

# Sylvin 6231-85 Black

Polyvinyl Chloride  
Sylvin Technologies Incorporated

Message:  
Sylvin 6231-85 Black Is A Flame Retarded Vinyl Compound Formulated For Yarn Coating Applications.

| General Information |                             |
|---------------------|-----------------------------|
| Additive            | Flame retardancy            |
| Features            | Flame retardancy            |
| Uses                | Wire and cable applications |
|                     | Coating application         |
| Appearance          | Black                       |
| Processing Method   | Extrusion                   |
|                     | Extrusion coating           |

| Physical                   | Nominal Value | Unit              | Test Method |
|----------------------------|---------------|-------------------|-------------|
| Specific Gravity           | 1.36          | g/cm <sup>3</sup> | ASTM D792   |
| Hardness                   | Nominal Value | Unit              | Test Method |
| Durometer Hardness         |               |                   | ASTM D2240  |
| Shaw A                     | 85            |                   | ASTM D2240  |
| Shaw A, 10 seconds         | 85            |                   | ASTM D2240  |
| Mechanical                 | Nominal Value | Unit              | Test Method |
| Tensile Strength (Break)   | 17.9          | MPa               | ASTM D638   |
| Tensile Elongation (Break) | 350           | %                 | ASTM D638   |
| Elastomers                 | Nominal Value | Unit              | Test Method |
| Tear Strength              | 74.4          | kN/m              | ASTM D624   |
| Thermal                    | Nominal Value | Unit              | Test Method |
| Continuous Use Temperature | 105           | °C                | ASTM D794   |
| Brittleness Temperature    | -16.0         | °C                | ASTM D746   |
| Melting Temperature        | 174 - 185     | °C                |             |
| Flammability               | Nominal Value | Unit              | Test Method |
| Oxygen Index               | 30            | %                 | ASTM D2863  |

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: [sales@su-jiao.com](mailto:sales@su-jiao.com)

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

