

# SCHULAMID® 66 MV 2

Polyamide 66  
A. Schulman Europe

Message:  
Medium viscosity Polyamide 66 - standard grade

| General Information              |          |                     |                    |                      |
|----------------------------------|----------|---------------------|--------------------|----------------------|
| UL YellowCard                    |          | E86615-252188       |                    |                      |
| Features                         |          | Good Surface Finish |                    |                      |
|                                  |          | Medium Viscosity    |                    |                      |
|                                  |          | Oil Resistant       |                    |                      |
| UL File Number                   |          | E86615              |                    |                      |
| Processing Method                |          | Injection Molding   |                    |                      |
| Physical                         | Dry      | Conditioned         | Unit               | Test Method          |
| Density                          | 1.14     | --                  | g/cm <sup>3</sup>  | ISO 1183/A           |
| Viscosity Number                 | 140      | --                  | cm <sup>3</sup> /g | ISO 307              |
| Mechanical                       | Dry      | Conditioned         | Unit               | Test Method          |
| Tensile Modulus                  | 3200     | 1300                | MPa                | ISO 527-2/1A/1       |
| Tensile Stress (Yield)           | 85.0     | 55.0                | MPa                | ISO 527-2/1A/50      |
| Tensile Strain (Yield)           | 5.0      | 20                  | %                  | ISO 527-2/1A/50      |
| Impact                           | Dry      | Conditioned         | Unit               | Test Method          |
| Charpy Notched Impact Strength   |          |                     |                    | ISO 179/1eA          |
| -30°C                            | 4.0      | --                  | kJ/m <sup>2</sup>  |                      |
| 23°C                             | 6.0      | 12                  | kJ/m <sup>2</sup>  |                      |
| Charpy Unnotched Impact Strength |          |                     |                    | ISO 179/1eU          |
| -30°C                            | No Break | --                  |                    |                      |
| 23°C                             | No Break | No Break            |                    |                      |
| Thermal                          | Dry      | Conditioned         | Unit               | Test Method          |
| Heat Deflection Temperature      |          |                     |                    |                      |
| 0.45 MPa, Unannealed             | 220      | --                  | °C                 | ISO 75-2/Bf          |
| 1.8 MPa, Unannealed              | 80.0     | --                  | °C                 | ISO 75-2/Af          |
| Vicat Softening Temperature      |          |                     |                    |                      |
| --                               | 245      | --                  | °C                 | ISO 306/A50          |
| --                               | 240      | --                  | °C                 | ISO 306/B50          |
| Flammability                     | Dry      | Conditioned         | Unit               | Test Method          |
| Flammability Classification      |          |                     |                    | IEC 60695-11-10, -20 |

|                              |     |     |                |
|------------------------------|-----|-----|----------------|
| 1.50 mm                      | V-2 | --  |                |
| 3.00 mm                      | V-2 | --  |                |
| Glow Wire Flammability Index |     |     | IEC 60695-2-12 |
| 1.50 mm                      | --  | 850 | °C             |
| 3.00 mm                      | --  | 850 | °C             |

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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

