

# POLYMAN® (PMMA) M/06

Polymethyl Methacrylate Acrylic

A. Schulman Europe

Message:

Standard PMMA grade for injection molding and extrusion

| General Information                               |                   |           |                |
|---------------------------------------------------|-------------------|-----------|----------------|
| Processing Method                                 | Injection molding |           |                |
| Resin ID (ISO 1043)                               | PMMA              |           |                |
| Physical                                          | Nominal Value     | Unit      | Test Method    |
| Density                                           | 1.18              | g/cm³     | ISO 1183/A     |
| Melt Volume-Flow Rate (MVR) (230°C/3.8 kg)        | 6.00              | cm³/10min | ISO 1133       |
| Mechanical                                        | Nominal Value     | Unit      | Test Method    |
| Tensile Modulus                                   | 3200              | MPa       | ISO 527-2/1A/1 |
| Tensile Stress (Break)                            | 63.0              | MPa       | ISO 527-2/1A/5 |
| Tensile Strain (Break)                            | 3.0               | %         | ISO 527-2/1A/5 |
| Impact                                            | Nominal Value     | Unit      | Test Method    |
| Charpy Notched Impact Strength                    |                   |           | ISO 179/1eA    |
| -30°C                                             | 2.0               | kJ/m²     | ISO 179/1eA    |
| 23°C                                              | 2.0               | kJ/m²     | ISO 179/1eA    |
| Charpy Unnotched Impact Strength                  |                   |           | ISO 179/1eU    |
| -30°C                                             | 19                | kJ/m²     | ISO 179/1eU    |
| 23°C                                              | 19                | kJ/m²     | ISO 179/1eU    |
| Thermal                                           | Nominal Value     | Unit      | Test Method    |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 92.0              | °C        | ISO 75-2/Af    |
| Vicat Softening Temperature                       | 102               | °C        | ISO 306/B50    |
| Electrical                                        | Nominal Value     | Unit      | Test Method    |
| Surface Resistivity                               | > 1.0E+15         | ohms      | IEC 60093      |
| Volume Resistivity                                | > 1.0E+13         | ohms · cm | IEC 60093      |
| Comparative Tracking Index                        | 600               | V         | IEC 60112      |
| Additional Information                            |                   |           |                |

- 1.)
- Not for use in food contact applications2.)
- Not for use in medical or pharmaceutical applications

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

