

# POLYasa 2410F

Acrylonitrile Styrene Acrylate  
Polykemi AB

Message:  
High flow

| General Information                       |               |                   |                |
|-------------------------------------------|---------------|-------------------|----------------|
| Features                                  | High Flow     |                   |                |
| Physical                                  | Nominal Value | Unit              | Test Method    |
| Density                                   | 1.04          | g/cm <sup>3</sup> | ISO 1183       |
| Melt Mass-Flow Rate (MFR) (220°C/10.0 kg) | 24            | g/10 min          | ISO 1133       |
| Molding Shrinkage                         |               |                   | ISO 294-4      |
| Across Flow                               | 0.50 to 0.70  | %                 |                |
| Flow                                      | 0.50 to 0.70  | %                 |                |
| Mechanical                                | Nominal Value | Unit              | Test Method    |
| Tensile Stress                            | 45.0          | MPa               | ISO 527-2      |
| Tensile Strain (Yield)                    | 6.0           | %                 | ISO 527-2      |
| Flexural Modulus (23°C)                   | 2600          | MPa               | ISO 178        |
| Flexural Stress                           | 87.0          | MPa               | ISO 178        |
| Impact                                    | Nominal Value | Unit              | Test Method    |
| Charpy Notched Impact Strength            |               |                   | ISO 179        |
| -20°C                                     | 5.0           | kJ/m <sup>2</sup> |                |
| 23°C                                      | 10            | kJ/m <sup>2</sup> |                |
| Thermal                                   | Nominal Value | Unit              | Test Method    |
| Heat Deflection Temperature <sup>1</sup>  |               |                   |                |
| 0.45 MPa, Unannealed                      | 96.0          | °C                | ISO 75-2/B     |
| 1.8 MPa, Unannealed                       | 84.0          | °C                | ISO 75-2/A     |
| Vicat Softening Temperature               |               |                   |                |
| --                                        | 103           | °C                | ISO 306/A50    |
| --                                        | 94.0          | °C                | ISO 306/B50    |
| Flammability                              | Nominal Value | Unit              | Test Method    |
| Flame Rating (1.60 mm)                    | HB            |                   | UL 94          |
| Glow Wire Ignition Temperature (2.00 mm)  | 650           | °C                | IEC 60695-2-13 |
| NOTE                                      |               |                   |                |
| 1.                                        | 120°C/hr      |                   |                |

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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

