

# Restren ABS

Acrylonitrile Butadiene Styrene  
Polimarky Spolka Jawna

Message:

Restren ABS is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Europe.

| General Information                               |               |          |              |
|---------------------------------------------------|---------------|----------|--------------|
| Physical                                          | Nominal Value | Unit     | Test Method  |
| Density                                           | 1.03 to 1.06  | g/cm³    | ISO 1183     |
| Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)         | 25 to 45      | g/10 min |              |
| Mechanical                                        | Nominal Value | Unit     | Test Method  |
| Tensile Modulus                                   | 2000 to 2300  | MPa      | ISO 527-2    |
| Tensile Stress                                    | 39.0 to 45.0  | MPa      | ISO 527-2    |
| Tensile Strain (Break)                            | 3.0 to 30     | %        | ISO 527-2    |
| Impact                                            | Nominal Value | Unit     | Test Method  |
| Charpy Notched Impact Strength (23°C)             | 16 to 26      | kJ/m²    | ISO 179/1A   |
| Thermal                                           | Nominal Value | Unit     | Test Method  |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 94.0 to 98.0  | °C       | ISO 75-2/A   |
| Vicat Softening Temperature                       | 102 to 104    | °C       | ISO 306/A120 |
| Injection                                         | Nominal Value | Unit     |              |
| Drying Temperature                                | 80.0 to 85.0  | °C       |              |
| Drying Time                                       | 3.0           | hr       |              |
| Processing (Melt) Temp                            | 220 to 250    | °C       |              |
| Mold Temperature                                  | 40.0 to 70.0  | °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



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