

# NEXUS ABS ABS22

Acrylonitrile Butadiene Styrene  
Nexus Resin Group, LLC.

Message:

Low Melt ABS

| General Information                      |                   |                   |             |
|------------------------------------------|-------------------|-------------------|-------------|
| Features                                 | Low Flow          |                   |             |
| Processing Method                        | Injection Molding |                   |             |
| Physical                                 | Nominal Value     | Unit              | Test Method |
| Specific Gravity                         | 1.05              | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/3.8 kg) | 2.0               | g/10 min          | ASTM D1238  |
| Molding Shrinkage - Flow                 | 0.40 to 0.80      | %                 | ASTM D955   |
| Mechanical                               | Nominal Value     | Unit              | Test Method |
| Tensile Modulus                          | 1930              | MPa               | ASTM D638   |
| Tensile Strength (Yield)                 | 34.5              | MPa               | ASTM D638   |
| Flexural Modulus                         | 2000              | MPa               | ASTM D790   |
| Flexural Strength (Yield)                | 41.4              | MPa               | ASTM D790   |
| Impact                                   | Nominal Value     | Unit              | Test Method |
| Notched Izod Impact (23°C, 3.18 mm)      | 110               | J/m               | ASTM D256   |
| Injection                                | Nominal Value     | Unit              |             |
| Drying Temperature                       | 82.2 to 93.3      | °C                |             |
| Drying Time                              | 2.0 to 4.0        | hr                |             |
| Suggested Max Moisture                   | 0.15              | %                 |             |
| Rear Temperature                         | 188 to 218        | °C                |             |
| Middle Temperature                       | 204 to 232        | °C                |             |
| Front Temperature                        | 218 to 246        | °C                |             |
| Nozzle Temperature                       | 218 to 274        | °C                |             |
| Processing (Melt) Temp                   | 218 to 274        | °C                |             |
| Mold Temperature                         | 48.9 to 76.7      | °C                |             |
| Back Pressure                            | 0.172 to 0.689    | MPa               |             |
| Screw Speed                              | 25 to 75          | rpm               |             |

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

