

# Sanren M800U (On-spec.)

Polypropylene Copolymer  
SINOPEC Shanghai Petrochemical Co. Ltd.

Message:

The pellet product is ivory white and in the shape of a cylinder with satisfied strength, high abrasion resistance and low temperature resistance, high low-temperature impact strength and stress-fracture resistance, excellent chemical stability and insulating characteristics and fairly good heat resistance. Scope of Application: The basic material for household electric appliance parts and automobil parts.

| General Information                       |                                        |          |                 |
|-------------------------------------------|----------------------------------------|----------|-----------------|
| Features                                  | Block Copolymer                        |          |                 |
|                                           | High ESCR (Stress Cracking Resistance) |          |                 |
|                                           | Good strength                          |          |                 |
|                                           | Good wear resistance                   |          |                 |
|                                           | Low temperature resistance             |          |                 |
|                                           | Low temperature impact resistance      |          |                 |
|                                           | Heat resistance, medium                |          |                 |
| Uses                                      | Home appliance components              |          |                 |
|                                           | Application in Automobile Field        |          |                 |
| Appearance                                | White                                  |          |                 |
| Forms                                     | Particle                               |          |                 |
| Processing Method                         | Injection molding                      |          |                 |
| Physical                                  | Nominal Value                          | Unit     | Test Method     |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 4.8 - 11                               | g/10 min | Internal method |
| Ash Content                               |                                        | %        |                 |
| Mechanical                                | Nominal Value                          | Unit     | Test Method     |
| Tensile Strength (Yield)                  | > 18.6                                 | MPa      | ASTM D638       |
| Flexural Modulus                          | > 700                                  | MPa      | Internal method |
| Impact                                    | Nominal Value                          | Unit     | Test Method     |
| Unnotched Izod Impact (23°C)              | > 24                                   | J/m      | Internal method |
| Thermal                                   | Nominal Value                          | Unit     | Test Method     |
| Brittleness Temperature                   | < -45.0                                | °C       | Internal method |
| Optical                                   | Nominal Value                          | Unit     | Test Method     |
| Yellowness Index                          | < 4.0                                  | YI       | Internal method |
| Additional Information                    |                                        |          |                 |
| Cleanliness: 11-20 pieces/kg              |                                        |          |                 |

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