

NYCOA Polyamide 2246

Polyamide + TPE

Nycoa (Nylon Corporation of America)

Message:

NYCOA 2246 is a highly flexible Nylon copolymer TPE developed for both injection molding and extrusion applications. The chemical composition of 2246 delivers improved impact performance at ambient or low temperatures and increased flexibility to meet hig
NYCOA 2246 processes easily at low injection pressure compared to other impact modified Nylons and can be molded or extruded on standard equipment.
NYCOA 2246 is recommended for applications that require premium toughness and durability such as sporting goods, appliance parts, and hardware items.

| General Information | |
|---------------------|-----------------------------------|
| Additive | Plasticizer |
| Features | Copolymer |
| | Impact resistance, good |
| | Workability, good |
| | Good flexibility |
| | Low temperature impact resistance |
| | Good chemical resistance |
| | Durability |
| | Good toughness |
| Uses | Home appliance components |
| | Sporting goods |
| Forms | Particle |
| Processing Method | Extrusion |
| | Injection molding |

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-------------------|-------------|
| Specific Gravity | 1.08 | g/cm ³ | ASTM D792 |
| Molding Shrinkage | | | ASTM D955 |
| Flow | 1.2 | % | ASTM D955 |
| Transverse flow | 1.4 | % | ASTM D955 |
| Water Absorption (24 hr) | 1.7 | % | ASTM D570 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 70 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ | 52.1 | MPa | ASTM D638 |
| Tensile Elongation ² (Break) | 300 | % | ASTM D638 |
| Flexural Modulus ³ | 500 | MPa | ASTM D790 |
| Flexural Strength ⁴ | 16.0 | MPa | ASTM D790 |

| Impact | Nominal Value | Unit | Test Method |
|-------------------------------|---------------|------|-------------|
| Notched Izod Impact (6.35 mm) | 190 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Melting Temperature | 205 | °C | DSC |

Additional Information

Tensile Elongation at Break, ASTM D638, 2 in/min: 300+%The value listed as Melting Point DSC, was tested in accordance with ASTM D789.

NOTE

1. 50 mm/min
2. 50 mm/min
3. 50 mm/min
4. 50 mm/min

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

