

# NYCOA Polyamide 2263

Polyamide + TPE

Nycoa (Nylon Corporation of America)

Message:

NYCOA 2263 is a modified nylon copolymer that features outstanding flexibility and toughness. This resin has been developed for extrusion applications that demand high tenacity and strength, with ease of processability. Typical applications include lawn & garden monofilament and fishing line.

| General Information   |  |                   |             |
|---|--|-------------------|-------------|
| Additive  | Plasticizer  |                   |             |
| Features  | High tensile strength  |                   |             |
|   | High strength  |                   |             |
|   | Copolymer  |                   |             |
|   | Plasticized  |                   |             |
|   | Workability, good  |                   |             |
|   | Good flexibility   |                   |             |
|   | Good toughness   |                   |             |
|   |  |                   |             |
|   |  |                   |             |
| Uses  | Lawn and Garden Equipment<br>monofilament<br>Fishery application |                   |             |
| Forms   | Particle   |                   |             |
| Processing Method   | Extrusion  |                   |             |
| Physical  | Nominal Value  | Unit              | Test Method |
| Specific Gravity  | 1.13   | g/cm <sup>3</sup> | ASTM D792   |
| Mechanical  | Nominal Value  | Unit              | Test Method |
| Tensile Strength <sup>1</sup>   | 57.9   | MPa               | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Break)   | 500  | %                 | ASTM D638   |
| Flexural Modulus <sup>3</sup>   | 345  | MPa               | ASTM D790   |
| Flexural Strength <sup>4</sup>  | 17.9   | MPa               | ASTM D790   |
| Impact  | Nominal Value  | Unit              | Test Method |
| Notched Izod Impact (6.35 mm)   | 280  | J/m               | ASTM D256   |
| Thermal   | Nominal Value  | Unit              | Test Method |
| Melting Temperature   | 192  | °C                | DSC         |
| Additional Information  |  |                   |             |
| Tensile Elongation at Break, ASTM D638, 2 in/min: 500+%;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  |                   |             |

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