

PET pellets for fabric accessories Type No.RNAA80

Features

In response to the demands of environmental protection, The world's leading clothing brands start to use sustainable materials to whole clothing.

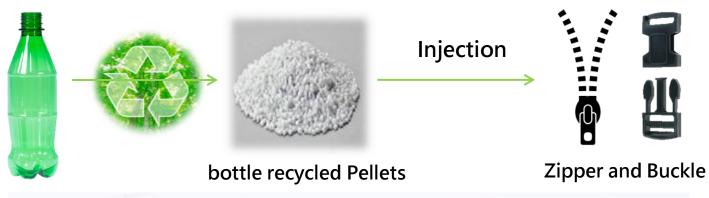
NAN YA plastic have developed the 100% bottle recycled PET pellets for fabric accessories Type No.RNAA80

RNAA80 is especially designed to have high melt flow capability, and improved the crystallinity, further increase the heat resistance and mechanical strength. RNAA80 is suitable for producing Zipper, Buckle.

Application

Fabric accessories (Zipper, Buckle)

- 1. 100% bottle recycled RNNA80 is sustainable materials.
- 2. RNAA80 have better performance than traditional POM material. •
- 3. Final goal is that the fabrics and accessories are all made of PET polyester materials, reduce the steps of fabric recycling and sorting, and accelerate the development of fabric recycling technology •



Bottle

| Type No.RNAA80 Pellets properties | | | | |
|------------------------------------|----------|-------------|-------------|--|
| Items | Units | Value | Test Method | |
| Intrinsic Viscosity | dl/g | 0.64 ± 0.02 | ASTM D4603 | |
| Specific gravity | g/cm³ | 1.36 | ASTM D792 | |
| Melting point | °C | 248 ± 3 | ASTM D3418 | |
| Mechanical strength | | | | |
| Items | Units | Value | Test Method | |
| Tensile strength | MPa | 63.8 | ASTM D638 | |
| Elongation | % | 4.5 | ASTM D638 | |
| Flexural strength | Мра | 91.2 | ASTM D790 | |
| Flexural modulus | Мра | 2650 | ASTM D790 | |
| Impact strength | Kg-cm/cm | 3.6 | ASTM D256 | |
| HDT | °C | 82.7 | ASTM D648 | |
| Shrinkage | % | 0.9 | ASTM D955 | |
| Zipper properties | | | | |
| Items | Units | RNAA80 | РОМ | |
| Separating unit crosswise strength | kg | 20 | 12 | |
| Chain crosswise strength | kg | 47 | 40 | |
| Top stop holding strength | kg | 25 | 15 | |
| Repeat test (100 times) | - | Pass | Pass | |

Processing conditions

1. Processing: injection molding

2. Drying condition: 140~160 °C (2~4 hours)

3. Screw temperature: 260~290 °C

4. Mold temperature: 30~50°C or 130~140°C

Contact information

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