


Dawnflex TPU DN-3198

FEATURES

A kind of polyether type thermoplastic polyurethane (TPU) materials, with good physical properties, high elasticity, good processing fluidity and aging resistance excellent hydrolysis resistance and low temperature flexibility and dimensional stability is mainly used for extrusion and calendaring products. It is non-toxic and environmentally friendly material, and completely recyclable.

| General information | | | |
|---|-----------------------|-------------------|---------------|
| Application | Extrusion products | | |
| RoHS RoHS compliance | Complied | | |
| Color | Colorless | | |
| Appearance | Particle | | |
| Processing method | Extrusion Calendaring | | |
| Revision period | 2019-06-25 | | |
| Performance parameters | Typical value | Unit | Method |
| Density | 1.21 | g/cm ³ | ASTM D792 |
| Shore Hardness | 97 | A | ASTM D2240 |
| Tensile strength | 35.02 | MPa | ASTM D412 |
| 100% 100% proof strength | 16.93 | MPa | ASTM D412 |
| 300% 300% proof strength | 25.16 | MPa | ASTM D412 |
| Elongation at break | 501 | % | ASTM D412 |
| Tear strength | 156 | KN/m | ASTM D624 |
| Moisture content | 0.03 | % | ASTM D4019 |
| Processing conditions | | | |
| 0.05% | | | |
| Drying Instructions: Need drying the granules before make molding, excessive moisture will lead materials bad extrusion surface, mechanical performance reduction and bad surface appearance. Moisture content request below 0.05%,suggesting drying as follow process: | | | |
| Drying conditions | Drying temperature/ | | Drying time/h |
| | 95-100 | | 2-3 |
| 100 | | | 100 |
| If drying temperature over than 100 , it might cause materials blocking in barrel zone; if use moisture analysis meter, the temperature setting should be on 100 . | | | |
|  | | | |
| / | / | / | / |
| 175-185 | 185-200 | 190-205 | 195-205 |
| | | | 190-200 |

Extra information

1.

The above properties are typical performance which is not regarding as technical index or agreement.

2.

Above instructions for reference only, different equipment might have difference parameters, please adjust accordingly with different mold and product shape.

SHANDONG DAWN POLYMER CO.,LTD

: . 265703

Address: Zhenxing Road, Longgang Economic Zone, Longkou, Shandong, China. 265703

() 0086-535-8868588;()0086-535-8833988

Tel:(Foreign Trade) 0086-535-8868588;(Domestic Trade)0086-535-8833988