Polyester-based TPU

* Features

White, Excellent Abrasion Resistance, Matt.

* Applications

Wire & Cable Jackets, Hose & Tube, Injection & Extrusion.

* Properties

|  |  |  |  |
| --- | --- | --- | --- |
| Properties | Standard | Unit | Value |
| Physical Properties |  |  |  |
| Density | ASTM D792 | g/cm3 | 1.16 |
| Hardness | ASTM D2240 | Shore A  | 90 |
| Mechanical Properties |  |  |  |
| Tensile Strength | ASTM D412 | MPa | 25 |
| 100% Modulus | ASTM D412 | MPa | 5 |
| 300% Modulus | ASTM D412 | MPa | 8 |
| Elongation at Break | ASTM D412 | % | 260 |
| Tear Strength | ASTM D624 | KN/m | 80 |

Note: The above values are shown as typical values and should not be used as specifications.

Package：Normally 25kg/bag

* Processing Guide

For optimum results, previous drying of the product during 3-4 hours at 80-90℃ is advisable, in a desiccant-air dryer. The suggested processing-temperature profiles for injection & extrusion are depicted in the figure below.

|  |  |
| --- | --- |
| Injection： |  |
| Zones | Set Value |
| Nozzle (℃) | 185 |
| Metering(℃) | 190 |
| Compression(℃) | 185 |
| Feeding(℃) | 170 |
| Pressure(kg) | 80 |

|  |  |
| --- | --- |
| Extrusion： |  |
| Zones | Set Value |
| Die(℃) | 165 |
| Adaptor(℃) | 170 |
| Metering(℃) | 175 |
| Compression(℃) | 170 |
| Feeding(℃) | 160 |

* Environmental & Healthy & Safety

Take MSDS for reference.

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