

apilon 52bio® DB 72

Thermoplastic Polyurethane Elastomer (Polyester)

API SpA

Message:

apilon 52bio®DB 72 is a thermoplastic polyurethane elastomer (polyester)(TPU-polyester) product. It can be processed by injection molding and is available in Europe. Typical application areas are: engineering/industrial accessories. The main features are: environmental protection/green.

| General Information | | | |
|------------------------------|----------------------|-------|-------------|
| Features | Updatable resources | | |
| | Recyclable materials | | |
| Uses | overmolding | | |
| Appearance | Natural color | | |
| Forms | Particles | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.21 | g/cm³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 67 - 73 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | > 45.0 | MPa | ASTM D638 |
| Tensile Elongation (Break) | > 250 | % | ASTM D638 |
| Flexural Modulus | > 1200 | MPa | ASTM D790 |
| Abrasion Resistance | | mm³ | DIN 53516 |
| Renewable Content | 18 | % | |
| Elastomers | Nominal Value | Unit | Test Method |
| Tear Strength | > 135 | kN/m | ASTM D624 |

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