

# KOPEL® KP3956BM

Thermoplastic Copolyester Elastomer

Kolon Plastics, Inc.

Message:

KOPEL® KP3956BM is a Thermoplastic Copolyester Elastomer (TPC-ET) product. It can be processed by blow molding and is available in Asia Pacific, Europe, Latin America, or North America.

| General Information                      |               |          |             |
|------------------------------------------|---------------|----------|-------------|
| Processing Method                        | Blow Molding  |          |             |
| Physical                                 | Nominal Value | Unit     | Test Method |
| Specific Gravity                         | 1.22          | g/cm³    | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (250°C/5.0 kg) | 2.0           | g/10 min | ASTM D1238  |
| Hardness                                 | Nominal Value | Unit     | Test Method |
| Durometer Hardness (Shore D)             | 53            |          | ASTM D2240  |
| Mechanical                               | Nominal Value | Unit     | Test Method |
| Tensile Strength                         |               |          | ASTM D638   |
| 23°C                                     | 22.3          | MPa      |             |
| 5.0% Strain                              | 6.47          | MPa      |             |
| 10% Strain                               | 10.1          | MPa      |             |
| 15% Strain                               | 12.0          | MPa      |             |
| Tensile Elongation (Break, 23°C)         | 350           | %        | ASTM D638   |
| Flexural Modulus (23°C)                  | 251           | MPa      | ASTM D790   |
| Impact                                   | Nominal Value | Unit     | Test Method |
| Notched Izod Impact (23°C)               | 720           | J/m      | ASTM D256   |
| Unnotched Izod Impact (23°C)             | No Break      |          | ASTM D256   |

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