# MULTIFLEX™ TES A6010 GSA1

## STYRENIC THERMOPLASTIC ELASTOMER

### Rheological properties

| | | | |
|---|---|---|---|
| Flow length | 850 | mm | |

### Typical mechanical properties

| | | | |
|---|---|---|---|
| Stress at 100% elongation | 1.6 | MPa | ISO 527-1/-2 or ISO 37 |
| Stress at break | 6.1 | MPa | ISO 527-1/-2 or ISO 37 |
| Elongation at break | 765 | % | ISO 527-1/-2 or ISO 37 |
| Shore A hardness, 3s | 60 | | ISO 48-4 / ISO 868 |
| Compression set at 23°C, 24h | 20 | % | ISO 815 |
| Tear strength, normal | 25 | kN/m | ISO 34-1 |

### Other properties

| | | | |
|---|---|---|---|
| Density | 1060 | kg/m³ | ISO 1183 |

### Injection

| | | |
|---|---|---|
| Drying Recommended | no | |
| Drying Temperature | 90 | °C |
| Drying Time, Dehumidified Dryer | 1 - 2 | h |
| Melt Temperature Optimum | 200 | °C |
| Mold Temperature Optimum | 30 | °C |
| Min. mould temperature | 20 | °C |
| Max. mould temperature | 40 | °C |
| Hold pressure range | 20 to 40% of max injection pressure | MPa |
| Back pressure | 1 | MPa |
| Injection speed | High | mm/s |

### Characteristics

| | |
|---|---|
| Compatibility | Polyolefins |



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