MULTIFLEX™ G52 A 41 M Z1747

STYRENIC THERMOPLASTIC ELASTOMER

Multiflex™ G are thermoplastic elastomers based styrenic, combining soft touch, elasticity and compression set performances.
Compatibility with polyolefin enables bi-material parts (continuous process or cold insert).

Rheological properties

Flow length	770	mm
Flow length - pressure	8	MPa

Typical mechanical properties

Stress at 100% elongation	1.7	MPa	ISO 527-1/-2 or ISO 37
Stress at 300% elongation	2.6	MPa	ISO 527-1/-2 or ISO 37
Stress at break	11	MPa	ISO 527-1/-2 or ISO 37
Elongation at break	>300	%	ISO 527-1/-2 or ISO 37
Shore A hardness, 15s	58		ISO 48-4 / ISO 868
Compression set at 23°C	17	%	ISO 815
Compression set at 70°C, 24h	38	%	ISO 815
Compression set at 100°C, 24h	56	%	ISO 815
Tear strength, parallel	35	kN/m	ISO 34-1
Tear strength, normal	35	kN/m	ISO 34-1

[1]: Cross direction

Other properties

Density	880	kg/m³	ISO 1183

Injection

Drying Recommended	no	
Melt Temperature Optimum	200	°C
Mold Temperature Optimum	40	°C
Min. mould temperature	20	°C
Max. mould temperature	60	°C
Hold pressure range	as low as possible	MPa
Back pressure	1	MPa
Injection speed	Medium-High	mm/s

Extrusion

Melt Temperature Optimum	190	°C
Melt Temperature Range	170 - 190	°C

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Characteristics

Compatibility	Polyolefins

DuPont

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