MULTIFLEX™ G55 A 21 B N0200 17204

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).

Product information

Colour	Black

Rheological properties

Flow length	740	mm
Flow length - pressure	8	MPa

Typical mechanical properties

Stress at 100% elongation	1.1	MPa	ISO 527-1/-2 or ISO 37
Stress at break	5.5	MPa	ISO 527-1/-2 or ISO 37
Elongation at break	>300	%	ISO 527-1/-2 or ISO 37
Shore A hardness, 15s	52		ISO 48-4 / ISO 868
Compression set at 23°C	15	%	ISO 815
Compression set at 70°C, 24h	39	%	ISO 815
Compression set at 100°C, 24h	65	%	ISO 815
Tear strength, parallel	22	kN/m	ISO 34-1

[1]: Cross direction

Other properties

Density	1200	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	20 to 40% of max injection pressure	MPa
Back pressure	1	MPa
Injection speed	High	mm/s

Extrusion

Melt Temperature Optimum	190	°C
Melt Temperature Range	180 - 200	°C

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Characteristics

Compatibility	Polyolefins

DuPont

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