MULTIFLEX™ G80 A 21 B Z2522

STYRENIC THERMOPLASTIC ELASTOMER

Product information

Colour	Black	

Rheological properties

Moulding shrinkage, parallel, annealed	1.8	%	ISO 294-4
Moulding shrinkage, normal, annealed	0.7	%	ISO 294-4
Flow length	770	mm	
Flow length - pressure	8	MPa	

Typical mechanical properties

Stress at 100% strain	2.6[1]	MPa	ISO 527-1/-2
Stress at 300% strain	3.4[1]	MPa	ISO 527-1/-2
Stress at break	8.7	MPa	ISO 527-1/-2 or ISO 37
Stress at break	6	MPa	ISO 527-1/-2
Elongation at break	>300	%	ISO 527-1/-2 or ISO 37
Shore A hardness, 15s	78		ISO 48-4 / ISO 868
Compression set at 23°C, 24h	27	%	ISO 815
Compression set at 70°C, 24h	54	%	ISO 815
Tear strength, parallel	32	kN/m	ISO 34-1
Tear strength, normal	35	kN/m	ISO 34-1

[1]: ISO 37, type 1 v=500mm/min, Cross direction

[2]: ISO 37, type 1 v=500mm/min, Flow direction

[3]: mesaure 700% acc ISO 37, type 1 v=500mm/min, Cross direction

Other properties

Density	1160	kg/m³	ISO 1183

Injection

Drying Recommended	no	
Drying Time, Dehumidified Dryer	≤0	h
Max. regrind level	10	%
Melt Temperature Optimum	200	°C
Mold Temperature Optimum	40	°C
Max. mould temperature	60	°C
Hold pressure range	20 to 40% of max injection pressure	MPa
Back pressure	1	MPa

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Extrusion

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

Characteristics

Compatibility	Polyolefins

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