MULTIFLEX™ TES A6509 EU0

STYRENIC THERMOPLASTIC ELASTOMER

Rheological properties

Flow length	750	mm	
Flow length - pressure	5	MPa	

Typical mechanical properties

Stress at 100% elongation	2.2	MPa	ISO 527-1/-2 or ISO 37
Stress at 300% elongation	3.1	MPa	ISO 527-1/-2 or ISO 37
Stress at break	7.8	MPa	ISO 527-1/-2 or ISO 37
Elongation at break	>300	%	ISO 527-1/-2 or ISO 37
Shore A hardness, 3s	68		ISO 48-4 / ISO 868
Compression set at 23°C	26	%	ISO 815
Compression set at 70°C, 24h	47	%	ISO 815
Compression set at 100°C, 24h	69	%	ISO 815
Tear strength, parallel	32	kN/m	ISO 34-1

Flammability

FMVSS Class	B		ISO 3795 (FMVSS 302)
Burning rate, Thickness 1 mm	68	mm/min	ISO 3795 (FMVSS 302)

Other properties

Density	920	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	High	mm/s

Characteristics

Compatibility	Polyolefins

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