MULTIFLEX™ TES A6509 EV0 N0208

STYRENIC THERMOPLASTIC ELASTOMER

Multiflex™ TES 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).

Multiflex™ TES A6509 EV0 N0208 is designed to provide a high flowability and strong UV resistance

Rheological properties

Flow length	800	mm	
Flow length - pressure	5	MPa	

Typical mechanical properties

Stress at 100% elongation	2.1	MPa	ISO 527-1/-2 or ISO 37
Stress at break	7.6	MPa	ISO 527-1/-2 or ISO 37
Elongation at break	755	%	ISO 527-1/-2 or ISO 37
Shore A hardness, 15s	68		ISO 48-4 / ISO 868
Compression set at 23°C, 24h	27	%	ISO 815
Tear strength, normal	32	kN/m	ISO 34-1

Other properties

Density	930	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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