MULTIFLEX™ TES 2803 SI1 NAT 23749

STYRENIC THERMOPLASTIC ELASTOMER

Rheological properties

Melt volume-flow rate	6	cm³/10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	5	kg	ISO 1133
Moulding shrinkage, parallel	1.1	%	ISO 294-4, 2577
Flow length	280	mm	

Typical mechanical properties

Stress at break	13.5	MPa	ISO 527-1/-2 or ISO 37
Elongation at break	150	%	ISO 527-1/-2 or ISO 37
Flexural Modulus	280	MPa	ISO 178
Izod notched impact strength, -45°C	61	kJ/m²	ISO 180/1A
Shore D hardness, 15s	33		ISO 48-4 / ISO 868
Tear strength, parallel	80	kN/m	ISO 34-1

Other properties

Density	910	kg/m³	ISO 1183

Injection

Drying Recommended	no	
Melt Temperature Optimum	245	°C
Mold Temperature Optimum	30	°C
Min. mould temperature	20	°C
Max. mould temperature	40	°C
Hold pressure range	as low as possible	MPa
Back pressure	1	MPa
Injection speed	Medium-High	mm/s

Storage and stability

Shelf life	1800	days

Characteristics

Compatibility	Polyolefins

Additional information

Injection molding	Drying before moulding is normally not required, but may be needed if the product is stored in a high humidity environment. Lower temperature on the moving part of the mould is prefered.

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