MULTIFLEX™ TPO 3004 MW NAT 22259

POLYOLEFIN THERMOPLASTIC ELASTOMER

Product information

Colour	Black		

Rheological properties

Melt volume-flow rate	12	cm³/10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
Moulding shrinkage, parallel	1.2	%	ISO 294-4, 2577
Flow length	400	mm	

Typical mechanical properties

Stress at break	15	MPa	ISO 527-1/-2 or ISO 37
Elongation at break	200	%	ISO 527-1/-2 or ISO 37
Flexural Modulus	320	MPa	ISO 178
Izod notched impact strength, -30°C	40	kJ/m²	ISO 180/1A
Shore D hardness, 15s	40		ISO 48-4 / ISO 868
Tear strength, parallel	90	kN/m	ISO 34-1

Other properties

Density	880	kg/m³	ISO 1183

Injection

Drying Recommended	no	
Melt Temperature Optimum	250	°C
Mold Temperature Optimum	40	°C
Min. mould temperature	30	°C
Max. mould temperature	50	°C
Hold pressure range	as low as possible	MPa
Back pressure	1	MPa
Injection speed	Medium	mm/s

Storage and stability

Shelf life	1800	days

Characteristics

Compatibility	Polyolefins

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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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