MULTIFLEX™ TES A7005 YPA1 NAT

STYRENIC THERMOPLASTIC ELASTOMER

Rheological properties

Flow length	500	mm	
Flow length - pressure	8	MPa	

Typical mechanical properties

Stress at 100% elongation	2.2	MPa	ISO 527-1/-2 or ISO 37
Stress at 300% elongation	2.8	MPa	ISO 527-1/-2 or ISO 37
Stress at break	6.5	MPa	ISO 527-1/-2 or ISO 37
Elongation at break	>300	%	ISO 527-1/-2 or ISO 37
Shore A hardness, 3s	70		ISO 48-4 / ISO 868
Compression set at 23°C	21	%	ISO 815
Compression set at 70°C, 24h	53	%	ISO 815
Compression set at 100°C, 24h	65	%	ISO 815
Tear strength, parallel	32	kN/m	ISO 34-1

Other properties

Density	1230	kg/m³	ISO 1183

Injection

Drying Recommended	no	
Melt Temperature Optimum	180	°C
Mold Temperature Optimum	60	°C
Min. mould temperature	50	°C
Max. mould temperature	70	°C
Hold pressure range	as low as possible	MPa
Back pressure	1	MPa
Injection speed	High	mm/s

Extrusion

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

Characteristics

Compatibility	Polyolefins

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