

(+) 18816996168

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Product Data Sheet & General Processing Conditions

RTP 2099 E X 99937 C Thermoplastic Elastomer Alloy Over Molding

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.02	1.02	D 792
Molding Shrinkage 1/8 in (3.2 mm) section	0.0100 in/in	1.00 %	D 955
MECHANICAL			
Tensile Strength	1100 psi	8 MPa	D 412
Tensile Elongation	1100.0 %	1100.0 %	D 412
Tensile Stress			
@ 50 %	360.0 psi	2.5 MPa	D 412
@ 100 %	425.0 psi	2.9 MPa	D 412
@ 300 %	600.0 psi	4.1 MPa	D 412
Tear Strength, Die C	250.0 pli	43.8 N/mm	D 624
Compression Set 22 h @ 23 °C (73 °F), Method B, Type 2	24 %	24 %	D 395
Hardness Shore A, 10 s delay	65	65	D 2240
THERMAL			
Ignition Resistance*			
Flammability**	HB @ 1/16 in	HB @ 1.5 mm	D 635

PROPERTY NOTES

Data herein is typical and not to be construed as specifications.

Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties.

* This rating is not intended to reflect hazards of this or any other material under actual fire conditions.

** Values per RTP Company testing.

GENERAL PROCESSING FOR INJECTION MOLDING

	English	SI Metric
Injection Pressure	4000 - 8000 psi	28 - 55 MPa
Melt Temperature	360 - 425 °F	182 - 218 °C
Mold Temperature	60 - 90 °F	16 - 32 °C
Drying	4 hrs @ 175 °F	4 hrs @ 79 °C

PROCESSING NOTES

Desiccant Type Dryer Required.