



Technical Data Sheet

Resurgens® T5000R

65 Shore A Thermoplastic Polyolefin Elastomer (TPE)

Date: January, 2008

General

Features	Excellent low temperature impact resistance Excellent chemical resistance Soft feel and matte surface
Appearance	Off white or pigmented Pellets
Processes	Injection molding

Typical Compound Properties^(a)

Physical	Nominal Values		Test Methods ^(b)
	English Units	Metric Units	
Specific Gravity	0.96	0.96	ASTM D792
Linear Mold Shrinkage	0.010 in/in	0.010 mm/mm	ASTM D955
Hardness, Shore Scale	A65	A65	ASTM D2240
Brittle Point Temperature	-75 °F	-60 °C	ASTM D696
Reinforcement Content	5±2%	5±2%	ASTM D2584

Mechanical

Tensile Strength @ Yield	750 psi	5.2 MPa	ASTM D638
Elongation @ Break	400%	400%	ASTM D638
Flexural Modulus, tangent	10,000 psi	69.0 MPa	ASTM D790
Gardner Impact @ -23 °F (-30 °C)	>160 in-lb	>18 joules	ASTM D3029

(a) Values shown represent nominal averages and are not to be construed as product specifications.

(b) ASTM methods are the latest under the Society's current Procedures. All Molded specimens are prepared by injection molding.

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