



Hylon[®] N1013THL Resin



2004 Pontiac Grand Prix Engine Cover

Product Attributes

- Toughness
- Heat Resistance
- Stiffness
- Chemical Resistance

Material Approvals
General Motors GMP.PA66.057

PROPERTY	METHOD	UNIT	VALUES
PHYSICAL			
Specific Gravity	ASTM D792	-	1.19
Water Absorption (24 - Hr Immersion)	ASTM D570	%	0.7
Mold Shrinkage (Flow Direction)	ASTM D955	In/in X 10-3	5-8
MECHANICAL @ 73°F			
Tensile Strength	ASTM D638	psi <i>MPa</i>	14,000 97
Elongation	ASTM D638	%	3
Flexural Modulus	ASTM D790	psi <i>MPa</i>	550,000 3,792
Flexural Strength	ASTM D790	psi <i>MPa</i>	23,000 159
Izod Impact Strength (Notched)	ASTM D256	ft-lb/in <i>J/m</i>	2.5 133
Hardness (Rockwell)	ASTM D795	-	82M
THERMAL			
Heat Deflection Temperature: 66 psi <i>0.46 Mpa</i> 264 psi <i>1.82 Mpa</i>	ASTM D648	°F °C °F °C	- - 445 229
Coefficient of Thermal Expansion	ASTM D696	In/in °F x 10-5 <i>m/mm °C x 10-5</i>	6.8 12.2
ELECTRICAL @ 73°F			
Dielectric Strength (Short-Time)	ASTM D149	V/mil	530
Volume Resistivity	ASTM D257	Ohm-cm	10 14
Dielectric Constant (100HZ)	ASTM D150	-	-
FLAME CLASS RATING *			
UL94 HB (Min. Tested Thickness)	UL 94	in (<i>mm</i>)	-
UL94 V-2 (Min. Tested Thickness)	UL 94	in (<i>mm</i>)	-

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