INJECTOR CAP

MOULDED MATERIAL	-PPA+GF-(Poliarilammide+glass fiber)
FAMILY OF MATERIALS	-PPA; PAA;PAMXD6;PARA(High Performance Polyamides)
POLYMER'S FEATURES	Compared to typical nylons, PPA has higher thermal properties and it is stronger, stiffer and less sensitive to moisture. It retains its excellent mechanical properties – including fatigue and creep resistance – over a broad temperature range in moist and chemically aggressive environments. **Key Features** Higher strength and stiffness at elevated temperatures Better retention of mechanical properties in high humidity Greater resistance to a broader range of chemicals PPA boasts heat deflection temperatures (HDT), up to 310°C (590°F), making it possible to withstand the high reflow temperatures of SMT processing without blistering or warping. Continuous use temperatures from 120 to 185°C (248-365°F) make PPA resin a reliable choice for demanding under-the-hood automotive components. **Retains Mechanical Properties in Humid Environments** Humid environments can have a devastating effect on the mechanical properties of typical nylons. PPA's lower water absorption results in significantly better retention of strength and stiffness properties, even with high levels of humidity. PPA's highly aromatic ring structure provides greater resistance to more chemicals than typical nylons, even at high temperatures. This allows it to be used in demanding automotive and industrial applications, where it must withstand prolonged exposure to aggressive chemicals, such as: Bio-diesel fuel -Brake fluid -Calcium chloride -Glycols -Synthetic motor oil -Road salt -Sulfuric acid -Transmission fluid -Zinc chloride
APPLICATION FIELDS	**Automotive** Air inlet Body/structural components Electrical and electronic components Feed systems Heating and cooling Lighting systems Transmission/transmission components
SPECIAL NOTES	Cattini Engineering Plastics is recommended by: SOLVAY Advanced Polymers : www.solvayadvancedpolymers.com

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