

XADC-Armoloy Armoloy® TDC Hard Chromium Coating

Category : Metal , Other Engineering Material , Ceramic/Metallic Coating

Material Notes:

ARMOLOY® TDC is a low temperature, multi-state surface finishing process. ARMOLOY® utilizes proprietary chemical solutions and application processes that are carefully monitored to produce it's TDC, a silver satin matte chromium coating. Precise deposits insure fidelity to part contours and details without the edge build or "dog-boning" associated with conventional chrome plating processes. ARMOLOY® TDC and XADC-ARMOLOY® conform to all MIL-Specs relative to chromium coatings, including AMS-2438 and AMS QQ-C-320. ARMOLOY® TDC resists attack by most organic and inorganic compounds, with the exception of sulfuric acid and hydrochloric acid. Armoloy® TDC process control prevents the hydrogen embrittlement phenomenon from occurring, though original manufacturing conditions may not, necessarily, be removable. Information provided by Armoloy of Western Pennsylvania.

Order this product through the following link:

http://www.lookpolymers.com/polymer_XADC-Armoloy-Armoloy-TDC-Hard-Chromium-Coating.php

Physical Properties	Metric	English	Comments
Thickness	2.54 - 7.62 microns	0.100 - 0.300 mil	Recommended range
	1.02 - 17.8 microns	0.0400 - 0.700 mil	Possible range

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	78	78	
Hardness, Vickers	1360 - 1400	1360 - 1400	Vickers Diamond Hardness

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	871 °C	1600 °F	
Minimum Service Temperature, Air	-240 °C	-400 °F	

Component Elements Properties	Metric	English	Comments
Chromium, Cr	99 %	99 %	

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