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## Summary of Lab Tests

- 1. Non-Stick Properties**  
20 gr/in of release of Johnson and Johnson waterproof tape with subsequent adhesion of 100%.
- 2. Low Friction Coefficient**  
Static coefficient (on cold rolled steel) -0.11  
Dynamic coefficient -0.07
- 3. Hard Surface**  
Impact test (extrusion) better than 90 cmX11 gr of impact
- 4. Excellent Adhesion to Surfaces**  
Pull-off test >1200 psi (better than cyano acrylate) on cold rolled steel
- 5. Low Wear-Abrasion Resistance**  
Excellent abrasion resistance-1 mil loss after 3000 cycles CS-17 wheel at 1000 gr load (Tabor test)
- 6. Water and Solvent Resistance**  
Passed most tests on immersion, splash and fumes of major organic solvents; salts; inorganic and organic acids (except oxidizing acids); alkaline solutions and most oxidizing agents
- 7. Anti-Corrosion**  
JPCL Test (accelerated) - 36 out of 40 max (better than epoxy) without any corrosion on coated surfaces
- 8. UV-Resistance**  
No degradation, cracking, or blistering > 30 days at QUV
- 9. Low Chipping**  
Very low chipping, less than 0.3%
- 10. Flexibility to Folding**  
Excellent. Passed OT test without cracking or deformation of coat
- 11. Temperature Resistance to Sudden Change**  
Maintains release and flexibility after 500°F for 16 hours
- 12. Hydrophobicity**  
High contact angles with water > 90°  
Excellent spreading with organic solvents 0° for CH2I 2  
Low surface energies < 40 dynes/cm
- 13. Electric Conductivity**  
Very low-10-11 mohs/cm
- 14. Environmentally Friendly**  
Very low VOC

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1400 Progress Industrial Blvd.

Lawrenceville, GA 30049

800.773.2368

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