



TESLIN[®]
Synthetic Printing Sheet

 A PPG Industries Brand

Contactless IC Card Durability Testing

(April 2006) – Independent laboratory test results reveal that printed **Teslin** Sheet contactless IC cards withstand flexing and IC mechanical stresses better than printed PVC cards.

Dynamic Bending

Product	Length Flex	Width Flex	Response
PVC cards	2 cm	1 cm	Fracture after 19000-26000 cycles
Teslin sheet cards	2 cm	1 cm	No Fracture after 40000 cycles

3-Wheel Test (ISO/IEC 10373-3:2001 – 100 cycles, 30 cycles/minute)

Product	Center Wheel Load	Contactless Reader Response After Load Cycling?
PVC cards	8N	Yes
PVC cards	15N	No
Teslin sheet cards	8N	Yes
Teslin sheet cards	15N	Yes
Teslin sheet cards	18N	Yes

3-Roller Test

Product	Top Roller Load	Contactless Reader Response After 10 Passes?
PVC cards	180N	No
Teslin sheet cards	180N	Yes