

# Q: How clinically effective is your elastic chain?

– *Between Appointments*



**A:** Scientific testing reveals polyurethane and plastic chain **lose 50%** of recovery force in 48 hours and **over 80%** between appointments!

## PowerLinx<sup>TM</sup> chain

A **Thermoset Polymer Chain** that **retains** up to **85%** of its initial force value even **after 6 weeks** in the oral environment.

*See other side for dramatic comparison–*



**ORTHODONTICS®**

Quality Manufacturing. Exceptional Service.

800-526-1026 U.S. & Canada  
+1 317-346-6655 International  
2165 Earlywood Drive • Franklin, IN 46131 U.S.A.  
[orders@ghortho.com](mailto:orders@ghortho.com) • [www.GHOrthodontics.com](http://www.GHOrthodontics.com)

**PowerLinx<sup>™</sup>**  
chain



## A biomaterial breakthrough in elastic chain

“PowerLinx<sup>™</sup>” chain is produced from a unique and proprietary blend of thermoset polymers. **Thermoset polymers** molecular stability produces increased elasticity and resiliency that retain forces for extended periods of time.

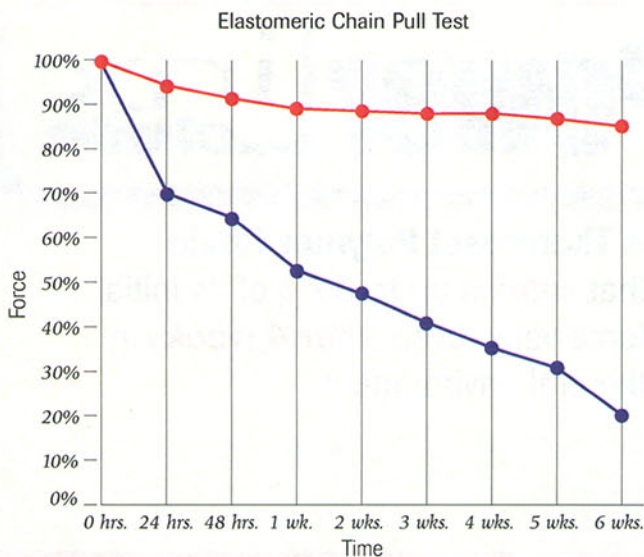
**Documented scientific research** proves PowerLinx<sup>™</sup> can endure higher stresses longer with minimal force degradation (see graph below). The recovery force of PowerLinx<sup>™</sup> remains elevated and active over a longer timeframe than traditional chain. The result is that PowerLinx<sup>™</sup> produces more effective and tenacious forces for facilitating tooth movement.

“PowerLinx<sup>™</sup> Chain retains up to 85% of its original pull strength even after 6 weeks of engagement!”

- **Thermoset polymer material** - superior to polyurethane or plastic chain
- **A more rubber-like consistency** - advanced elasticity and rebound
- **Studies prove** - the recovery force of PowerLinx<sup>™</sup> chain remains elevated and active over a longer timeframe

- Recovery force test results -

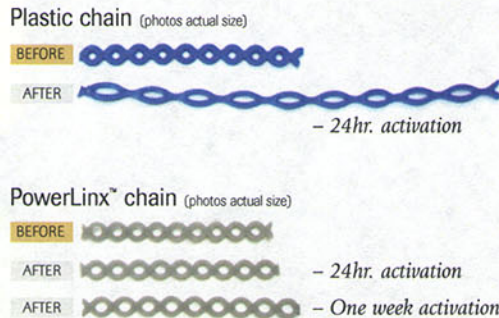
Elongation Duration	Retained Forces	
	Polyurethane Plastic Chain	PowerLinx <sup>™</sup> Chain
24 hrs.	70%	95%
48 hrs.	64%	91%
6 weeks	20%	85%



- = PowerLinx<sup>™</sup> Thermoset Chain
- = Standard Plastic/Polyurethane Chain

Tests performed with 1-inch segment of continuous chain elongated 2x passive length after soaking in saline solution simulating the oral environment

### Deformation Comparison



**PowerLinx<sup>™</sup>**  
chain

Each spool contains 2m (6.56 ft.)  
Available in Clear or Gray - Short or Long Links

- Short** - Effective for ligating brackets, maintaining space closure / retraction
- Long** - Lighter continuous forces over a wide expansion / retraction

