

Multiset Packer Element

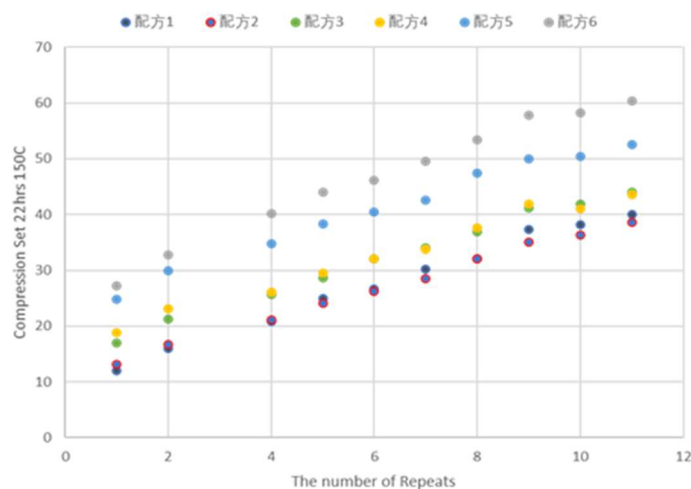
CNPC USA has developed a series of packer element compounds specifically for multiset packers driven by coiled tubing in various hydraulic fracturing operations. Packer elements for 5.5" casing have been manufactured at commercial scale with those compounds. Both the compounding and molding processes are under the quality control of CNPC USA.

APPLICATIONS

- Designed specifically for packers in coiled tubing intervention.
- Include single elements of 80 and 90 Shore A hardness and can be applied to multi-element design
- Repeated setting and unsetting cycles to seal bottom sections during hydraulic fracturing, zone isolation and pressure testing.

FEATURES & BENEFITS

- CNPC-USA designed rubber formulations and quality-controlled compounding and molding processes.
- Endure high temperatures up to 175°C via in-house testing.
- Withstand high pressure differential up to 70 Mpa via in-house testing.
- High resilience, low compression set and excellent abrasion resistance.
- 20 + reliable setting and unsetting cycles under 150°C and 35Mpa pressure differential.
- Based on the results from side-by-side testing, the element with CNPC-USA formulation is significantly better than the market products in China and US in resilience and abrasion resistance.



Molded Packer Elements

The repeated compression set properties of CNPC USA designed formulations.