

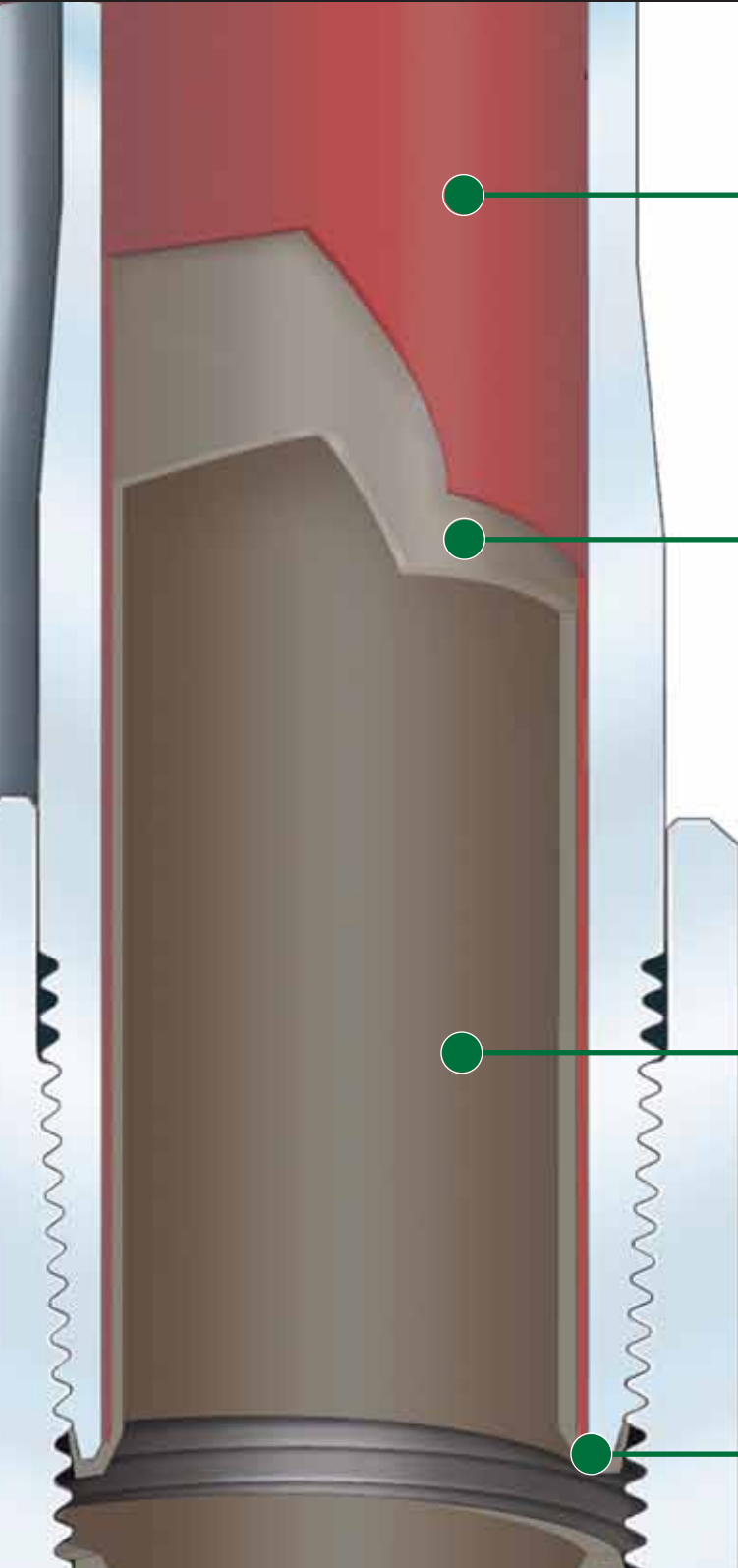


**Fiberglass Lining
Plastic Coating
External Wrapping
Threading Services
Field Services
Pipe Services**

AP GRAY

ABRASION RESISTANT

7812 West Hwy 80 • Midland, TX 79706 • 432.617.0242 • 432.617.0244 Fax



PRIMED AND COATED

Abrasion-Resistant
Epoxy-Based Internal
Coating

ECONOMY AND PERFORMANCE

Hardened to Resist
Damage from Wireline
Tools and Typical
Intervention Techniques

CHEMICAL RESISTANCE

Protects Against Damage
from Corrosive Fluids
and Gases

CONTINUOUS PROTECTION

Coated in Coupling to
Protect the "J" Area

AP GRAY

ID Coating for Tubing and Casing

Product Information

TYPE	Fusion-bond epoxy over a phenolic primer
MAX TEMPERATURE	230° F
APPLIED THICKNESS	0.010" to 0.020"
PRESSURE RATING	To yield strength of the pipe
PRIMARY SERVICE	CO ₂ and water injection, corrosive fluid disposal, abrasive injection or production service, including wells with excessive sand production and rod pump applications.
PRIMARY APPLICATION	Injection and Production tubing
TABOR ABRASION	9-11 mg Weight Loss per 1000 Cycles (ASTM D4060)
FLEXIBILITY	5.4° PPD @ Room Temperature
LIMITATIONS	Caution should be used in applications involving H ₂ S in concentrations higher than 1.5%.

Nominal Dimensions

2 3/8 inch		2 7/8 inch		3 1/2 inch		4 1/2 inch	
Nominal Thickness	Nominal Drift	Nominal Thickness	Nominal Drift	Nominal Thickness	Nominal Drift	Nominal Thickness	Nominal Drift
.010"-.020"	1.866"	.010"-.020"	2.312"	.010"-.020"	2.832"	.010"-.020"	3.840"

AP Gray is a durable, flexible, internal plastic coating designed specifically for enhanced abrasion resistance. Formulated out of existing technologies, AP Gray is designed to protect against gas molecule penetration, erosion from sand production and abrasion from rod wear, wireline service and other aggressive downhole procedures.

Stimulation fluids typically have a negligible effect when they are flushed completely from the tubular string and chased with fresh water. For special cases or if extended exposure is anticipated, please call a CLS representative.