



SP-6™ Unbonded Outerwrap

Product Overview



Polyguard SP-6™ Unbonded Outerwrap is a critical component of the RD-6® Coating System.

SP-6™ consists of a strong non woven, felt-like polypropylene fabric. The product is engineered to provide high bursting strength and low tensile and elongation properties. The result is an outerwrap with improved soil stress resistance.

For years, the pipeline coating industry relied upon bonded outerwraps to protect the anti-corrosion coating layer from mechanical damages. However, permanent adhesion of the outerwrap to the corrosion coating layer is not desirable. The fabric, when unbonded, has the freedom to be moved by the forces of soil stress, independently of the coating over which it has been applied. When the outerwrap is bonded to the coating underneath, the soil stresses can be transferred to the anti-corrosion coating layer causing deformation thus allowing electrolyte to penetrate the coating to the substrate.



Integral part of RD-6 Coating System



Porosity maintains non-shielding characteristics of RD-6



Strong, non-woven, felt-like polypropylene fabric



High tensile strength, low elongation



Fabric permits cathodic protection currents to pass through it



No adhesive on the surfaces of either side of fabric



Properties provide a slip-plane that results in an outerwrap which mitigates soil stress

contact us



6714 Bourgeois Rd.
Houston, TX 77066

Phone : 281-580-5700

Email: pipeline@polyguard.com

Web : www.polyguard.com

Social : @polyguardproducts



Physical Properties	ASTM Test Method	Results English	Results Metric
Tensile Strength - Grab	D 4632	102 lbs.	0.45 KN
Elongation	D 4632	50%	50%
Thickness	D 1000	.027"	.69mm