

Description

CRP is specifically designed for seal and protection of damaged pipeline or filling damaged hole (voids) of coating pipeline. CRP consists of repair patch, Melting Stick and mastic sealant filler.

CRP Repair patch Construction: 2-layer

First layer: Copolymer hot melting adhesive

Second layer: Radiation-cross-linked, high density polyethylene (unexpanded)

Melting Stick is made of hot melt adhesive same with first layer of CRP



Features & Benefits

CRP provides excellent abrasion resistance, inert to acids and alkalis and solvents, moisture and corrosion resistance. The hot melting adhesive stick is supplied as rods for sealing or repairing smaller damage hole or crack (up to 10mm×10mm), which provides excellent adhesion (to PE, FBE and steel) and moisture resistance.

Application guide	CRP	Melt Stick
Performance	EN 12068 Class C, HT UV	EN 12068 Class C, HT UV
Compatible line coatings	PE, FBE, Coal Tar	PE, FBE, Coal Tar
Soil stress restriction	None	None
Max operating temperature	80°C (176°F)	80°C (176°F)
Min installation temperature	70°C (158°F)	70°C (158°F)

Product properties

Property	Test Method	Typical Value
PE Melt Stick		
Dielectric strength at 23°C	IEC 243	15KV/mm
Tensile strength at 23°C	ISO R-527	6.0 MPa
Elongation	ASTM D-638	550%
Hardness, 23°C	ISO R-858	35 Shore D
Impact strength 23°C	EN12068 Class C	15 Joules, pass
Holiday detection at 23°C	DIN30672	Pass 5kV + 5kV/mm
PE Repair Patch		
Adhesive Softening Point	ASTM E-28	115°C
Adhesive water absorption at 23°C	ASTM D-570	0.1%
Adhesive peel strength to PE coating at 23°C	EN12068	1.5 N/mm
Adhesive Shear Strength at 23°C	EN12068	0.1N/mm ²
Tensile strength of backing at 23°C	ASTM D-638	20 MPa
Ultimate elongation of backing at 23°C	ASTM D-638	500%
Dielectric strength of backing at 23°C	ASTM D-149	15kV/mm

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