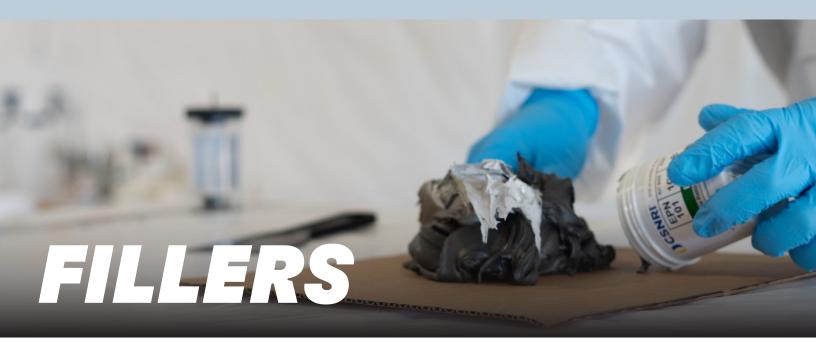
LOCTITE®





CSNRI Composites offers a wide range of fillers designed to meet your load transfer needs in various situations. Our fillers have application ranges that cover multiple temperatures and offer exceptional chemical resistance. Whether you need a filler material for high-temperature applications, harsh chemical environments, or general load transfer needs, we have a solution for you.

APPLICATIONS

High-strength, high-compression, load transfer resins are used within CSNRI's non-metallic composite repair systems as a critical component to their success and effectiveness. They perform the following functions for the repair system:

- > Load transfer between pipe and composite
- > Smooth transitional geometries to facilitate wrapping
- Plug through-wall defects to prevent resin from entering the pipe

COMPLIANT WITH:

(standards/regulations)

- > US DOT CFR 192 and 195
- > CSA Z662
- > ASME PCC-2 Article 401
- → ISO 24817



ASSOCIATED SYSTEMS

- CSF: Clock Spring, SnapWrap, Pipe Support, Casing Spacer
- EPN-101: Atlas, A+ Wrap, A+ Max, ViperSkin, DiamondWrap, ThermoWrap, SynthoGlass XT
- FPN-242: Atlas, A+ Wrap, A+ Max, ViperSkin
- > EPN-270: AcidShield
- FPN-331: DiamondWrap MT, ThermoWrap MT
- > EPN-453: DiamondWrap HT, ThermoWrap HT
- > EPN-580: DiamondWrap UHT
- > EPN-590: ThermoWrap 500
- > ESN-202: SynthoGlass, PipeWrap
- > ESN-330: ThermoWrap MT







CSNRI FILLERS PROPERTIES						
EPN-101	EPN-242	EPN-270	EPN-331	EPN-453		
Putty	Putty	Putty	Putty	Putty		
1-Quart 1-Pint	1-Pint	1-Quart 1-Pint	1-Quart 1-Pint ½-Pint	½-Pint		
781000 psi	547000 psi	380000 psi	291100 psi	547665 psi		
5384.8 MPa	3771.4 Mpa	2620.0 Mpa	2007.1 MPa	3776.0 MPa		
5:1	100:12	100:53	100:44	5:1		
8	37	20	40	6		
18	75	45	75	8		
199	206	252	363	439		
92.8	96.7	122.2	183.9	226.1		
	Putty 1-Quart 1-Pint 781000 psi 5384.8 MPa 5:1 8 18	EPN-101 EPN-242 Putty Putty 1-Quart 1-Pint 1-Pint 781000 psi 547000 psi 5384.8 MPa 3771.4 Mpa 5:1 100:12 8 37 18 75 199 206	EPN-101 EPN-242 EPN-270 Putty Putty Putty 1-Quart 1-Pint 1-Pint 1-Quart 1-Pint 781000 psi 547000 psi 380000 psi 5384.8 MPa 3771.4 Mpa 2620.0 Mpa 5:1 100:12 100:53 8 37 20 18 75 45 199 206 252	EPN-101 EPN-242 EPN-270 EPN-331 Putty Putty Putty Putty 1-Quart 1-Pint 1-Quart 1-Pint 1-Pint 1-Pint 1/2-Pint 1-Pint 1/2-Pint 781000 psi 547000 psi 380000 psi 291100 psi 5384.8 MPa 3771.4 Mpa 2620.0 Mpa 2007.1 MPa 5:1 100:12 100:53 100:44 8 37 20 40 18 75 45 75 199 206 252 363		

	CSNRI FILLERS PROPERTIES						
	EPN-580	EPN-590	ESN-202	ESN-330	CSF		
Product Type	Putty	Putty	Stick	Stick	Putty		
Stock Sizes Available	1-Pint	1-Quart 1-Pint ½-Pint	7 inch	7 inch	16 OZ (450 gram)		
Compressive Modulus (psi)	306000	330000	380000	NA	481770		
(MPa)	2109.8	2275.3	2620.0	NA	3321.7		
Mix Ratio (By Weight)	Single Component	Single Component	Pre-measured	Pre-measured	Variable (see charts)		
Working Time (Minutes)	Heat Cure Required	Heat Cure Required	3	2	Variable (see charts)		
Set Time (Min.)	Heat Cure Required	Heat Cure Required	5	15	Variable (see charts)		
Glass Transition Temp. (°F)	651	550	286	356	223		
(°C)	344	287.8	141.1	180	106		

WARRANTY CSNRI routinely implements product improvements. Please contact your local distributor or office for the most current product specifications. CSNRI warrants the quality of this product when used according to directions.

PS_0825 ISO 9001 Certified

