NuSil MED4-4116

Rubber

NuSil Technology

Message:

NuSil Technology's restricted materials may be considered for use in short-term implant applications, 29 days or less, or for external applications. HCRs can be used for extrusion of tubing and profiles (rod or ribbon), in calendared sheeting for die-cutting, or in compression or transfer molded parts such as balloons, gaskets or o-rings. HCRs are clay-like in the uncured state and when cured generally exhibit very high mechanical properties and low modulus.

HCRs with a peroxide cure system have a long history in implant applications. The cure mechanism can be vinyl specific or non vinyl specific. Non vinyl specific peroxide catalysts are more commonly used with HCRs than vinyl specific peroxide catalysts. Comments: NON-VINYL SPECIFIC PEROXIDE PRECATALYZED

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Tensile Strength9.31MPaTensile Elongation at Break400%	Cured Properties	Nominal Value	Unit	
Tensile Elongation at Break 400 %	Shore Hardness (Shore A)	70		
	Tensile Strength	9.31	MPa	
Tear Strength 21.9 kN/m	Tensile Elongation at Break	400	%	
	Tear Strength	21.9	kN/m	

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