

SILPURAN® 8020/50

Silicone
Wacker Chemie AG

Message:

Silicone Rubber, HTV
Gaskets, Plastics and Rubber Processing
Membranes, Pharmaceuticals & Healthcare
Balloons, Pharmaceuticals & Healthcare
Seals (HealthCare / Pharma), Pharmaceuticals & Healthcare
Valves (HealthCare / Pharma), Pharmaceuticals & Healthcare

General Information			
Features	Biocompatible		
	BPA Free		
	Breathable		
	Good Chemical Resistance		
	Good Flexibility		
	Good Sterilizability		
	Good Thermal Stability		
	High Gas Permeability		
	High Heat Resistance		
	High Purity		
	Low to No Odor		
	Low to No Water Absorption		
	Non-Toxic		
	Steam Resistant		
Uses	Body Implants		
	Medical Devices		
	Medical/Healthcare Applications		
	Pharmaceuticals		
Agency Ratings	ISO 10993		
	USP Class VI		
Processing Method	Compression Molding		
	Press Molding		
Uncured Properties	Nominal Value	Unit	Test Method
Color	Clear/Transparent		
Density	1.14	g/cm³	DIN 53479
Cured Properties	Nominal Value	Unit	Test Method

Shore Hardness (Shore A)	50		DIN 53505
Tensile Strength	11.2	MPa	DIN 53504
Tensile Elongation at Break	760	%	DIN 53504
Compression Set	30	%	DIN ISO 815-B
Tear Strength	35.0	kN/m	ASTM D624B
Rebound Resilience	53	%	DIN 53512

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