

SILPURAN® 6400/40 A/B

Silicone

Wacker Chemie AG

Message:

Silicone Rubber, LSR
Gaskets, Plastics and Rubber Processing
Membranes, Pharmaceuticals & Healthcare
Masks, 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	Injection Molding		
	Liquid Injection Molding (LIM)		
Uncured Properties	Nominal Value	Unit	Test Method
Color	Clear/Transparent		
Density	1.12	g/cm ³	ISO 1183
Viscosity	380	Pa · s	DIN 53019

Cured Properties	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	40		DIN 53505
Tensile Strength	9.20	MPa	DIN 53504
Tensile Elongation at Break	630	%	DIN 53504
Compression Set	20	%	DIN ISO 815-B
Tear Strength			
--	15.0	kN/m	ISO 34
--	35.0	kN/m	ASTM D624B
Rebound Resilience	54	%	DIN 53512

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