

## Introducing Silbione® Heat Cured Rubber (HCR) Elastomers for Healthcare & Medical Device Fabrication <30 day Implant

Silbione® Heat Cured Rubber (HCR) Elastomers							
Silbione® Product	Durometer, ShA	Tensile, psi (MPa)	Elongation, %	Tear Strength, pli (kN/m)	Specific Gravity	Appearance	Typical Applications
<b>High Performance</b>							Extruding and molding parts for healthcare and medical devices, including tubing, catheter balloons, needle entry ports.
HCRA 4120 A/B	25	1430 (9.9)	1,260	220 (38)	1.12	Clear	
HCRA 4130 A/B	29	1500 (10.3)	1,100	220 (38)	1.12	Clear	
HCRA 4150 A/B	50	1600 (11)	700	230 (40)	1.15	Clear	
HCRA 4165 A/B	65	1480 (10.2)	740	240 (42)	1.18	Clear	
HCRA 4170 A/B	70	1300 (8.9)	550	225 (39)	1.18	Clear	
<b>High Performance Bases</b>							
HCRU* 4125 HC	25	1300 (8.9)	900	175 (30)	1.1	Slight haze	
HCRU* 4135 HC	31	1200 (8.2)	850	170 (29) (45)	1.12	Slight haze	
HCRU* 4160 HC	58	1400 (9.6)	600	275 (48)	1.16	Slight haze	
<b>General Purpose</b>							
HCRA 4250 A/B	50	1200	400	120	1.14	Hazy	
HCRA 4265 A/B	65	1275	600	170	1.16	Hazy	

\*HCRU is an uncatalyzed base. Typical properties were achieved with the addition of a peroxide catalyst.

-Silbione® grade materials have been tested for biocompatibility according to applicable ISO 10993 and USP Class VI standards

Note: The typical properties listed above are not intended for use in preparing specifications for any particular application of Bluestar Silicone materials. All reported typical properties are ASTM slabs cured 10 minutes @ 120°C.

Silbione® is a registered trademark of Elkem Silicones.

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Biocompatibility	Silbione® Product	EU Pharmacopoeia (EUP) 3.1.9	Biocompatibility Tests <sup>(1)</sup>								
			Cytotoxicity	Skin Sensitization	Intracutaneous Tox	Systemic Toxicity	Mutagenicity	Pyrogenicity (USP)	7-Day Implant	90-Day Implant	USP Class VI
<b>High Performance</b>											
	HCRA 4120 A/B		■		■	■	■			■	■
	HCRA 4130 A/B		□		□	□	□			□	□
	HCRA 4150 A/B	■	■	■	■	■	■	■	■	□	■
	HCRA 4165 A/B	□	□	□	□	□	□	□	□	□	□
	HCRA 4170 A/B		□	□	□	□	□		□	□	□
<b>High Performance Bases</b>											
	HCRU* 4125 HC		□		□	□	□				□
	HCRU* 4135 HC		□		□	□	□			□	
	HCRU* 4160 HC		□		□	□	□			□	□
<b>General Purpose</b>											
	HCRA 4250 A/B		■	■							
	HCRA 4265 A/B		■	■							

(1) - The biocompatibility testing listed addresses the categories of evaluation specified in ISO 10993 for device use of less than 30 days duration.

All testing conducted on cured LSR product A+B

■ Indicates test performed on the material; successfully passed.

□ Indicates test not performed on the material; however, it is substantially equivalent to another tested Elkem Silicones HCR that successfully passed.