

A-223-30

Liquid Silicone Rubber

SILBIONE® LSR 4330 DEV

January 2005

DEVELOPMENTAL TECHNICAL DATA SHEET

SILBIONE® LSR 4330 DEV is a developmental 30 durometer, health care grade liquid silicone rubber designed for producing high clarity, high strength molded parts.

FEATURES

- Superior clarity
- High tear strength
- Excellent mold release for shorter cycle times
- Rapid cure at elevated temperature
- No post cure is needed

TYPICAL APPLICATIONS

- General molded parts
- Medical applications for <29 day implantation
- Infant care: baby bottle nipples, pacifiers, sippy cup valves
- Food contact applications

TYPICAL PROPERTIES

Property	Test Method	Unit	Value	
Appearance	CTM TP 038		Clear, paste-like liquid	
Specific Gravity	TP 013		1.11	
Pot Life, 23°C	NM 128	hours	≥ 72	
Extrusion Rate	TP 001	g/min.	100	
	ASTM		Press Cured¹ 5 minutes, 177°C	Post Cured¹ 4 hours, 200°C
Hardness	D 2240	Shore A	31	31
Tensile Strength	D 412	psi (N/mm ²)	1400 (9.7)	1350 (9.3)
Elongation	D 412	%	790	750
Tear Strength	D 624, Die B	ppi (N/mm)	195 (34.2)	205 (36.0)
Modulus 100%	D 412	psi (N/mm ²)	90 (0.6)	110 (0.8)
Modulus 200%	D 412	psi (N/mm ²)	180 (1.2)	205 (1.4)
Modulus 300%	D 412	psi (N/mm ²)	300 (2.1)	330 (2.3)
Resiliency	D 2632	%	53	50

¹ASTM Slab 6"x6"x0.07"

Please note: The typical properties listed in this bulletin are not intended for use in preparing specifications for any particular application of Silbione® silicone materials. Please contact our Technical Service Department for assistance in writing specifications.



Silicones