



M-Cor Inc. | Engineered Sealing Solutions

Translucent Silicone Rubber (VMQ) - Peroxide-Cured, 70 Shore A

(Appearance: Translucent)

Cure Conditions (as tested in vendor TDS)

	KC-8 (0.5 phr)	DCP (1.0 phr)
Peroxide Type	2,5-diethyl-2,5-di(t-butylperoxy)hexane (45% paste)	Dicumyl Peroxide (40% paste)
Press Cure	10 min @ 170 C	10 min @ 170 C
Post-Cure	4 h @ 200 C	4 h @ 200 C

Mechanical & Physical Properties (as reported)

Property	Test Method	Unit	KC-8 (0.5 phr)	DCP (1.0 phr)
Appearance	-	-	Translucent	Translucent
Williams Plasticity	ASTM D926	-	250	250
Specific Gravity (23 C)	ASTM D792	-	1.20	1.20
Hardness	ASTM D2240	Shore A	70	73
Tensile Strength	ASTM D412	MPa	8.0	7.8
Elongation at Break	ASTM D412	%	260	280
Tear Strength (Die C)	ASTM D624	N/mm	25.0	26.0
Tear Strength (Die B)	ASTM D624	N/mm	11.0	-
Linear Shrinkage	JIS K6249	%	4.0	4.7
Compression Set (22 h @ 175 C)	ASTM D395	%	17	13

Notes: Values are taken verbatim from a vendor Technical Data Sheet as typical properties; they do not constitute a specification. Actual results depend on compound, cure system, and processing. Report conditions (time/temperature, die type) when qualifying material. Document ID: M-Cor-VMQ-70A-Peroxide-Translucent-DS-v1.1 | Date: Sep 22, 2025.