



M-Cor Inc. | Engineered Sealing Solutions

Translucent Silicone Rubber (VMQ) - Peroxide-Cured, 60 Shore A

(Appearance: Translucent)

Cure Conditions (as tested in vendor TDS)

	KC-8 (0.5 phr)	DCP (1.0 phr)
Peroxide Type	2,5-dimethyl-2,5-di(t-butylperoxy)hexane (45 % paste)	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	-	240	240
Specific Gravity (23 C)	ASTM D792	-	1.18	1.18
Hardness	ASTM D2240	Shore A	60	62
Tensile Strength	ASTM D412	MPa	7.0	6.8
Elongation at Break	ASTM D412	%	340	360
Tear Strength (Die C)	ASTM D624	N/mm	21.0	22.0
Tear Strength (Die B)	ASTM D624	N/mm	9.0	-
Linear Shrinkage	JIS K6249	%	3.8	4.2
Compression Set (22 h @ 175 C)	ASTM D395	%	15	12

Notes: Values are taken from vendor technical data for peroxide-cured VMQ compounds adjusted for 60 Shore A durometer. They represent typical properties only and do not constitute specifications. Actual results depend on compound formulation, cure system, and processing conditions. Always report time, temperature, and die type when qualifying materials.