

SAM-50 Extrusion Grade

High Consistency Silicone Rubber (HCR)

SAMCO[®]
Silicone Products

PRODUCT DATA

MATERIAL REFERENCE:	SAM-50 (HCR Extrusion Grade)
SPECIAL FEATURES:	<ul style="list-style-type: none">• Temperature range from -55 °C to 200 °C• Good blend of physical properties• Complies with BfR and FDA CFR 21 § 177.2600• Meets USP Biological Tests, Classification VI• Meets USP Biological Tests, Classification VI• Meets European Pharmacopoeia section 3.1.9• Complies with WRAS (BS 6920-1: 2000)
CUSTOMER:	Samco Silicone Products
COLOUR:	Available in all colours

SAFETY INFORMATION

Detailed, safety specific information can be obtained from the Material Safety Data Sheets (MSDS), which are available upon request.

PHYSICAL PROPERTIES

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TEST	STANDARD	UNITS	TYPICAL VALUES
Hardness	ISO 48	Shore A	50
Density	ISO 2781	g/cm ³	1.15
Tensile Strength	ISO 37	MPa	11
Elongation @ Break	ISO 37	%	520
Tear Strength	ASTM D 624 B	kN/m	25
Compression Set: (22 Hrs @ 175 °C)	ISO 815-1	%	34

TYPICAL CURE CONDITIONS

Press-Cure	6 minutes @ 115 °C
Post-Cure	4 hours @ 200 °C (in ventilated air)
Catalyst Type	50% paste of bis-(2, 4-dichlorobenzoyl)-peroxide in silicone fluid

This data is obtained from test pieces moulded in the laboratory and are intended as a guide. They should not be used in preparing specifications.