

SAM-60 Extrusion Grade

High Consistency Silicone Rubber (HCR)

SAMCO[®]
Silicone Products

CHARACTERISTICS

Vulcanised articles manufactured from this silicone compound exhibit a unique combination of characteristics and properties. They are noted for their good flexibility, excellent mechanical properties and very good processing characteristics. The compound has high transparency but can easily be pigmented.

PRODUCT DATA

MATERIAL REFERENCE: SAM-60 (Extrusion Grade)

SPECIAL FEATURES:

- Temperature range from -55 °C to 200 °C
- Good blend of physical properties
- WRC / WRAS / KTW approved
- Complies with BfR and FDA food contact regulations
- Meets USP VI. Recommended for use against ISO 10993
- Complies with European Pharmacopoeia 3.1.9

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

TEST	STANDARD	UNITS	TYPICAL VALUES
Hardness	ISO 7619-1: 2010	Shore A	60
Density	ISO 2781: 2008	g/cm ³	1.14
Tensile Strength	ISO 37: 2005	MPa	11
Elongation @ Break	ISO 37: 2005	%	490
Tear Strength	ISO 34: 2004	kN/m	21
Compression Set: (22 Hrs @ 175 °C)	ISO 815-1: 2008	%	35

TYPICAL CURE CONDITIONS

Press-Cure	6 minutes @ 115 °C
Post-Cure	4 hours @ 200 °C
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.