



High Consistency Silicone Rubber (HCR)

Characteristics

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

Product data

Material Reference:	PR 410 / 60 (Fast Injection Moulding Grade)
Product Code:	TYMM10799
Special Features:	<ul style="list-style-type: none"> • Temperature range from –55°C to 200°C • Good blend of physical properties • Very short cure times • Platinum catalyzed • Complies with BfR and FDA food contact regulations

Physical Properties

Test	Standard	Units	Typical Values	Limits
Density	ISO 2781: 2008	g/cm ³	1.13	Record
Hardness	ISO 7619-1: 2008	SHORE °A	60	+/- 5
Tensile Strength	ISO 37: 2005	MPa	10.0	>5
Elongation @ Break	ISO 37: 2005	%	560	>300
Tear Strength	ISO 34: 2004	KN/m	29	>12
Compression Set: (22 Hrs @175°C)	ISO 815-1: 2008	%	14	<50

Typical Cure Conditions

Press-cure	10 minutes @ 150°C
Post-cure	4 hours @ 200°C
Catalyst type	Platinum

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.

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