Fluorosilicone Rubber 10MT Series

Features:

- GOOD MECHANICAL PROPERTIES
- EXCELLENT SOLVENT/FLUID RESISTANCE
- EASILY PIGMENTED BLENDABLE
- HIGH TEAR STRENGTH
- RETAINS PROPERTIES OVER A WIDE TEMPERATURE RANGE FROM -60℃~200℃

Typical Properties:

Item		Test Standard	Grade/Test Value				
			DHFS-1040MT	DHFS-1050MT	DHFS-1060MT	DHFS-1070MT	DHFS-1080MT
Hardness, Shore A		ASTM D2240	40+/-5	50+/-5	60+/-5	70+/-5	80+/-5
Tensile Strength, Mpa, Die C		ASTM D412	⩾9	⩾9	⩾9	⩾8	⩾7
Elongation at Break, %, Die C		ASTM D412	⩾350	⩾300	⩾250	⩾200	⩾150
Tear Strength, KN/m, Die B		ASTM D624	⩾40	⩾40	⩾40	⩾35	⩾30
Compression Set, % 177℃@22h, type B		ASTM D395	⩽25	⩽25	⩽25	⩽25	⩽25
Fuel C resistance, 23℃@70h	ΔV %	ASTM D471	⩽20	⩽20	⩽20	⩽20	⩽20
	ΔTB %	ASTM D471	＜-60	＜-60	＜-60	＜-60	＜-60
	ΔEB%	ASTM D471	＜-50	＜-50	＜-50	＜-50	＜-50
Aging by hot air, 225℃@70h	ΔTB %	ASTM D573	＜-45	＜-45	＜-45	＜-45	＜-45
	ΔEB%	ASTM D573	＜-45	＜-45	＜-45	＜-45	＜-45

* Curing agent: DBPH * Press Cure: 170℃@10min, Post Cure: 200℃@4h

Remarks: The data in the publication is based on the test performed at Dowhon Laboratory facilities or the other facilities that have been qualified by us, the data isn't for specification. Your results may vary due to differences in test types and conditions.

Processing Advice:

Various organic peroxides will vulcanize this fluorosilicone compounds. Fabricators should make their selection of curing agents on the basis of method of fabrication, desired properties, and safety considerations. They are mixed into the rubber, if necessary please contact us.

The optimum cure cycle will depend on the method of processing used and the physical dimensions of the vulcanized product. Specific applications will require the use of air oven post cures.

Package information:

Packed by plastic bags and hardened paperboard boxes. Each box contains 2 bags with 10kg per bag.

Storage:

This fluorosilicone rubber compounds maintains good status within 12 months when the original package is kept unopened.