

Silicone Extrusions - Metal Detectable / Technical Data Sheet

This compound can be detected by metal detectors. The grade comprises of .300 mesh iron powder being dispersed in a silicone rubber compound. The grade offers good resistance to oxygen, hot air and ozone attack. It is often supplied pigmented either blue or red oxide colour. Conforms to FDA 177.2600.

Properties	Value				
Grade	GP40	GP50	GP60	GP70	GP80
Hardness Shore A	40	50	60	70	80
Specific Gravity	1.33	1.33	1.33	1.33	1.33
Temperature Range	-60°C to +200°C	-60°C to +200°C	-60°C to +200°C	-60°C to +200°C	-60°C to +200°C
Elongation at Break %	180	180	180	180	180
Compression Set %	15	15	15	15	15

Iron Powder .300 Mesh Details

Chemical Composition	Minimum	Maximum		
H2 Loss		0.50%		
Carbon		0.03%		
Iron	Balance			
Particle Size	Mesh	Micron	Minimum	Maximum
	+200	+75	-	2%
	+350	+45	-	BAL
Physical Properties	Minimum	Maximum		
Apparent Density (g/cc)	2.85	3.05		
CAS No.	7439-89-6 iron			

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