

## Technical Information

# ARIES SCR93xx series



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### Character:

High transparent, excellent physical and mechanical properties, yellowing resistance, and very well processing properties.

### Application:

Suitable for kinds of molding application, silicone rubber products for food processing, medical and sanitation industries with higher transparent requirements.

Eg: baby nipple, molar stick (silicone Teether for Babies), medical tube.

### Physical properties data sheet

ITEM	SCR9430	SCR9440	SCR9450	SCR9460	SCR9470
Appearance	Transparent, no extraneous matter				
Density, g/cm <sup>3</sup>	1.07±0.04	1.13±0.04	1.15±0.04	1.18±0.04	1.22±0.04
Hardness Shore A points	30±2	40±2	50±2	60±2	70±2
Tensile Strength MPa≥	8.0	9.0	9.0	9.0	9.0
Tensile Set at Breakage %≥	800	700	600	500	400
Tension Set at Breakage %≤	8	8	8	8	8
Tear Strength kN/m≥	30	35	40	40	40
Volume Resistivity Ω·cm≥	1×10 <sup>14</sup>	1×10 <sup>14</sup>	1×10 <sup>14</sup>	1×10 <sup>14</sup>	1×10 <sup>14</sup>
Dielectric Strength kV/mm≥	20	20	20	20	20
Linear Shrinkage Rate after First vulcanization %	3.2-3.7	3.0-3.6	2.9-3.4	2.8-3.4	2.6-3.2

Physical and Mechanical Properties are based on first vulcanization data.

Electrical Properties are drawn from second vulcanization data.

Vulcanization condition:

First vulcanization condition for test piece: 175°C×5mins

Second vulcanization condition for test piece: 200°C×2hrs

Vulcanizator: Liquid DMDBH, quantity added 0.65%