

Technical Information

ARIES SCR93xx series



Web: www.aries-chem.com

E-mail: Aries@aries-chem.com

Character:

High strength.

Application:

Suitable for special products application with higher strength requirements.

Eg: configuration complicated bake wares, cell phone cover.

Physical properties data sheet

ITEM	SCR9330	SCR9340	SCR9350	SCR9360	SCR9370
Appearance	Transparent, no extraneous matter				
Density, g/cm ³	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	8.5
Tensile Set at Breakage %≥	800	700	600	500	400
Tension Set at Breakage %≤	8	8	8	8	10
Tear Strength kN/m≥	30	35	40	40	40
Volume Resistivity Ω·cm≥	1×10 ¹⁴	1×10 ¹⁴	1×10 ¹⁴	1×10 ¹⁴	1×10 ¹⁴
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%

ARIES CHEMICAL CO.,LTD