

Addition Cure Silicone Rubber

There are specially designed for addition cure
AD-1100 series complies with BfR & FDA food contact article

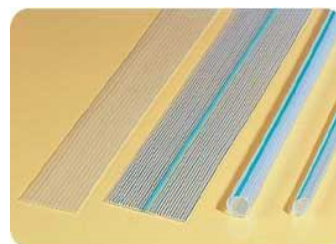
FEATURES

- Excellent process ability in extrusion & mold
- Excellent Mechanical Properties & good Transparency
- Non Yellowish
- Complies with FDA BfR recommendation for articles in contact with food



APPLICATIONS

- Food Contact article (Hoses, Tubing, Packing)
- Healthcare, Medical Devices (Seal, Tubing)



PROPERTIES

Catalyst : HC-25A / 1.0phr (140°C×10min / 200°C×4hrs)

Typical Properties	Test Method	AD-1150	AD-1160	AD-1170
Color	ASTM E 1716	Transparent		
William's plasticity	ASTM D 926	200	220	250
Specific Gravity	ASTM D 792	1.12	1.16	1.20
Hardness	ASTM D 2240	50	60	70
Tensile Strength (MPa)	ASTM D 412	11.5	10	10.5
Elongation (%)	ASTM D 412	670	550	420
Tear Strength (kgf/cm)	ASTM D 624 "B"	26	24	21
Rebound resilience (%)	JIS K 6255	55	49	45
Compression set (%) ^{*1}	ASTM D 395	26	24	22
Linear shrinkage (%)	JIS K 6249	2.8	2.7	2.4
Volume Resistivity (ohm.cm)	ASTM D 257	1.5*10 ¹⁵	2.1*10 ¹⁵	1.6*10 ¹⁵
Dielectric Strength (KV/mm)	ASTM D 149	26	27	28

*1. Compression Set : 177°C×22hrs