

PRODUCT INFORMATION:
D/S SILICONE RELEASE FILM – 36 MICRON

Description

A silicone release film manufactured by coating PET film on both sides with a non-migratory silicone resin. The silicone resin acts as a release agent and is fully cured during manufacture.

APPLICATIONS

The principal use of silicone release film is a mold release agent during the hot pressing of H.V. machine coil insulations.

Generally, the silicone release films are applied as a wrapper, but the release films can be supplied as tapes.

Silicone release films can be used to provide a mold release in conjunction with processing of most synthetic resin/hardener types.

SPECIFICATION

PROPERTIES	TEST METHOD	UNIT OF MEASURE	TYPICAL VALUE
FILM THICKNESS	MI-02 (INT. METHOD)	μM	36±5%
SPECIFIC WEIGHT	MI-02 (INT. METHOD)	g/cm ³	1.4
TENSILE STRENGTH AT BREAK MD TENSILE STRENGTH AT BREAK TD	MI-24(INT. METHOD FROM ASTM D882)	Kg/mm ²	19.0±20% 19.0±20%
ELONGATION AT BREAK MD ELONGATION AT BREAK TD	MI-24(INT. METHOD FROM ASTM D882)	%	60 – 150 60 – 150
SHRINKAGE MD SHRINKAGE TD	MI-25 (INT. METHOD (150°C-30.))	%	0.0 – 1.8 0.0 – 1.2
WIDTH TOLERANCE (TRIMMED MATERIAL)	MI-32(INT. METHOD)	MM	≤100±1 >100±2
RELEASE INSIDE/OUTSIDE	MI-47 (INT. METHOD FROM FTM4 (TAPE TESA 7475))	G/CM	14±8
SUBSEQUENT ADHESION FORCE	MI-21 (INT. METHOD FROM FTM11 (TAPE TESA 7475))	%	>80