

Devinall™ SP

High Performance Polyimide Films

Technical Data Sheet

HIGH PERFORMANCE POLYIMIDE FILMS

Welcome to the world of Devinall Polyimide Films. Our Devinall Series of Polyimide Films were specifically developed as a high performance polyimide superior to existing polyimide films. Devinall has been developed over the past 3 years by Fastel Adhesive Products in order to provide customers with cost effective polyimide solutions through *direct from manufacturer* capabilities and reliable dielectric and insulating characteristics.

Our Devinall SP Series of Polyimide Films are designed as an all purpose high strength polyimide film product able to perform under high and low operating temperature environments. Devinall SP Polyimide Film is instantly ready to be laminated into a pressure sensitive tape, die cut or capable of being adhesive coated. Devinall SP is an excellent polyimide film solution suitable for a range of applications including electronic, automotive, alternative energy or medical device assembly where a durable film is needed packaged with high performance insulation (dielectric) and chemical stability characteristics. Devinall SP is readily available in master log rolls or slit rolls ranging in a variety of thicknesses.



Multiple Thicknesses
High Cut Thru Resistance
Excellent Mechanical Properties
Excellent Chemical Stability

Excellent Electrical Properties
Resistant to Handling
Lamination/Die Cut Ready
High Temperature Rating

Cost Effective Polyimide Solution
Indefinite Shelf Life
Rolls, Sheets, Die Cuts
Short Lead Times

Typical Applications for Devinall SP

- * Electrical Insulation
- * Electronics Assembly
- * Pressure Sensitive Tapes
- * Insulation Layers
- * Insulation Tubing
- * Etching/Shims
- * Laminations

Standard Devinall SP (Standard Polyimide)

SP Film Series

Devinall 100 SP.....0.001” (0.025mm)
 Devinall 200 SP.....0.002” (0.051mm)
 Devinall 300 SP.....0.003” (0.076mm)

Equivalent to an HN type polyimide
 Manufacturing Thickness Tolerance: +/- 10%

Product Roll Delivery Options

- * Log Rolls (standard)
- * Slit Rolls & Die Cuts Available

Storage and Shelf Life

- * Store in cool dry location at or below temperatures of 85°F / 29°C
- * Indefinite if store in original packaging at the above recommended storage temperatures.

Other Information

- * Manufactured to ISO 9001:2008 Standards
- * RoHs Compliant Material
- * Lamination Ready
- * Die Cut Ready (steel rule, rotary die)

Devinall Surface Mount Options

Our complete series of Devinall Films are available pre-coated with our complete line of heat activated adhesive formulations or laminated with pressure sensitive adhesives.

LT
 Light Tack PSA Lamination (repositionable)

HT
 High Tack PSA Lamination (permanent)

FT
 Fastelfilm Heat Activated Adhesive Coated Devinall (permanent) *See FastelFilm Adhesive*

See our Devinall TH Series for a thermally conductive polyimide solution.



Devinall General Information	Color	Max Roll Width	Core Size Dia.	Typical Lead Time
100 SP	Amber	20” (500mm)	3.0” (76mm)	~3 weeks
200 SP	Amber	20” (500mm)	3.0” (76mm)	~3 weeks
300 SP	Amber	20” (500mm)	3.0” (76mm)	~3 weeks

Devinall SP Typical Properties	Unit	MD	TD
Tensile Strength	Mpa	140	120
Elongation	%	40	60
Dielectric Strength (100 SP)	V/mil	7500	
Dielectric Strength (300 SP)	V/mil	5500	
Volume Resistivity	ohm-cm	1.0 x 10 ¹⁵	
Dielectric Constant	25°C	3.5	
Surface Resistivity	omhs	1.0 x 10 ¹³	

For more information or to receive samples for review, please contact us toll free at 1-888-989-3832 (US Only) +1-949-369-7676 (International) or e-mail info@fasteladhesives.com

Devinall™ SP

HIGH PERFORMANCE POLYIMIDE FILMS