

# Mecoline IS RDX 5241 F

Polyvinylidene Fluoride

Melos GmbH

## Message:

This compound is an excellent choice for manufacturing insulated hook-up wires in military and aerospace industries (airframe wire) and component conductors for MIL-C-27500 cables

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Abrasion Resistance		
	Halogenated		
	High Heat Resistance		
	Irradiation Crosslinkable		
	Low Smoke Emission		
	Low Temperature Flexibility		
	Oil Resistant		
Uses	Aerospace Applications		
	Cable Jacketing		
	Insulation		
	Marine Applications		
	Military Applications		
	Wire & Cable Applications		
Agency Ratings	MIL C-27500		
	MIL W-81044/12		
	MIL W-81044/9		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.75	g/cm <sup>3</sup>	ISO 1183/A
Melt Mass-Flow Rate (MFR) (150°C/21.6 kg)	12	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	73		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			IEC 811-1-1
-- 1	> 30.0	MPa	

-- <sup>2</sup>	> 35.0	MPa	
Tensile Elongation			
Break <sup>3</sup>	> 130	%	ASTM D638
Break <sup>4</sup>	> 150	%	IEC 811-1-1
Break <sup>5</sup>	> 300	%	IEC 811-1-1
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+11	ohms·cm	ASTM D257
Electric Strength	> 15	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Oxygen Index	42	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	195 to 205	°C	
Cylinder Zone 2 Temp.	195 to 205	°C	
Cylinder Zone 3 Temp.	200 to 210	°C	
Cylinder Zone 4 Temp.	210 to 220	°C	
Cylinder Zone 5 Temp.	210 to 220	°C	
Adapter Temperature	215 to 225	°C	
Head Temperature	220 to 230	°C	
Extruder Screw L/D Ratio	25.0:1.0 to 30.0:1.0		
Die Temperature	220 to 230	°C	
NOTE			
1.	After crosslinking		
2.	Before crosslinking		
3.	After ageing in air oven 168h at 200°C		
4.	After crosslinking		
5.	Before crosslinking		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT