

# Mecoline I RDX 5244 F

Fluoroelastomer

Melos GmbH

## Message:

This modified fluoro-elastomer based compound is the right choice for manufacturing very flexible wires and cables. Applications in harsh environments in military, aerospace, automotive and other industries, where high performance takes first place.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Flexibility		
	Halogenated		
	High Heat Resistance		
	Irradiation Crosslinkable		
	Low Temperature Flexibility		
	Oil Resistant		
	Self Extinguishing		
Uses	Aerospace Applications		
	Automotive Applications		
	Cable Jacketing		
	Insulation		
	Marine Applications		
	Military Applications		
	Wire & Cable Applications		
Agency Ratings	ISO 6722 Class F		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.90	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/21.6 kg)	12	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	74		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			IEC 811-1-1
-- 1	12.0	MPa	
-- 2	3.00	MPa	
Tensile Strain			

Break <sup>3</sup>	200	%	IEC 811-1-4
Break <sup>4</sup>	> 200	%	IEC 811-1-1
Break <sup>5</sup>	450	%	IEC 811-1-1
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+14	ohms·cm	ASTM D257
Additional Information	Nominal Value	Unit	Test Method
Resistance to Flame Propagation - after burn	< 2.0	sec	ISO 6722
Head Temperature	215 to 225	°C	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	180 to 190	°C	
Cylinder Zone 2 Temp.	200 to 210	°C	
Cylinder Zone 3 Temp.	210 to 220	°C	
Cylinder Zone 4 Temp.	215 to 225	°C	
Cylinder Zone 5 Temp.	215 to 225	°C	
Adapter Temperature	215 to 225	°C	
Die Temperature	215 to 225	°C	
NOTE			
1.	After crosslinking		
2.	Before crosslinking		
3.	After ageing in air oven 168h at 250°C		
4.	After crosslinking		
5.	Before crosslinking		

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