

Mecoline IS RDX 5245 F

Ethylene Tetrafluoroethylene Copolymer

Melos GmbH

Message:

This compound is made to meet stringent specifications such as the MIL-W-22759 (SAE AS22759), VG 95218 Part 20, 21, 22 and 23, but also other specifications throughout the industry. Applications include commercial wiring in avionics, satellites, aircraft, helicopter, ships, trains, offshore platforms and high performance military and motorsport electronics.

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 W-22759		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.70	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (300°C/5.0 kg)	15	g/10 min	ISO 1133
Shrinkage - 6h at 230°C	500.0	µm	
Head Temperature	280 to 295	°C	
Extruder Screw L/D Ratio	20.0:1.0 to 24.0:1.0		
Extruder Screw Compression Ratio	3.0:1.0		
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	68		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ¹	45.0	MPa	IEC 811-1-1

Tensile Strain ² (Break)	130	%	IEC 811-1-1
Electrical	Nominal Value	Unit	Test Method
Electric Strength	75	kV/mm	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	32	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	270 to 280	°C	
Cylinder Zone 2 Temp.	280 to 290	°C	
Cylinder Zone 3 Temp.	280 to 295	°C	
Cylinder Zone 4 Temp.	280 to 295	°C	
Cylinder Zone 5 Temp.	280 to 295	°C	
Adapter Temperature	280 to 295	°C	
Die Temperature	280 to 295	°C	
NOTE			
1.	After crosslinking		
2.	After crosslinking		

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