

Mecoline IS RDX 5235 F

Thermoplastic

Melos GmbH

Message:

Motor lead wires for coil connections, class F motors and transformers, pumps, solenoids, Internal wiring of appliances, sensor wires, flexible battery cables and wire insulation of lovv voltage multicore cables for road vehicles.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Abrasion Resistance		
	Good Flexibility		
	Halogenated		
	High Heat Resistance		
	Irradiation Crosslinkable		
	Low Smoke Emission		
	Low Temperature Flexibility		
	Oil Resistant		
Uses	Appliances		
	Automotive Applications		
	Cable Jacketing		
	Insulation		
	Low Voltage Insulation		
	Wire & Cable Applications		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm³	ISO 1183/A
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	50		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ¹	16.0	MPa	IEC 811-1-1
Tensile Strain			
Break ²	340	%	IEC 811-1-1
Break, -55°C	> 30	%	IEC 811-1-4
Abrasion	150	Cycles	
Hot Set ³			IEC 540

Elongation under load	40	%	
Residual elongation	< 10	%	
Head Temperature	145 to 155	°C	
Extruder Screw L/D Ratio	>24.0:1.0		
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	IEC 60167
Electric Strength	25	kV/mm	EN 60243-1
Dielectric Constant (20°C, 50 Hz)	3.10		IEC 60250
Extrusion	Nominal Value	Unit	
Drying Temperature	60.0	°C	
Drying Time	4.0	hr	
Cylinder Zone 1 Temp.	130 to 140	°C	
Cylinder Zone 2 Temp.	140 to 150	°C	
Cylinder Zone 3 Temp.	145 to 155	°C	
Cylinder Zone 4 Temp.	145 to 155	°C	
Cylinder Zone 5 Temp.	145 to 155	°C	
Adapter Temperature	145 to 155	°C	
Die Temperature	145 to 155	°C	
NOTE			
1.	Before crosslinking		
2.	Before crosslinking		
3.	at 200°C/15min/0.2 MPa		

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