

Mecoline I RDX 5210 F

Thermoplastic

Melos GmbH

Message:

A high performance radiation cross-linkable compound, offering excellent mechanical and electrical properties

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Abrasion Resistance		
	Good Electrical Properties		
	Halogenated		
	High Heat Resistance		
	Irradiation Crosslinkable		
	Low Smoke Emission		
	Oil Resistant		
Uses	Insulation		
	Wire & Cable Applications		
Agency Ratings	ISO 6722 Class C		
	ISO 6722 Class D		
	LV 112 Class C		
	LV 112 Class D		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	0.60	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	54		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			IEC 811-1-1
-- ¹	20.0	MPa	
-- ²	> 10.0	MPa	
Tensile Strain			IEC 811-1-1
Break ³	250	%	

Break ⁴	> 600	%	
Abrasion	190	cm	Internal Method
Tear Strength ⁵	70.1	kN/m	Internal Method
Head Temperature	190 to 200	°C	
Extruder Screw L/D Ratio	>24.0:1.0		
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air			Internal Method
150°C, 3000 hr	15	%	
180°C, 240 hr	5.0	%	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	160 to 170	°C	
Cylinder Zone 2 Temp.	180 to 190	°C	
Cylinder Zone 3 Temp.	190 to 200	°C	
Cylinder Zone 4 Temp.	190 to 200	°C	
Cylinder Zone 5 Temp.	190 to 200	°C	
Adapter Temperature	190 to 200	°C	
Die Temperature	205 to 215	°C	
NOTE			
1.	After crosslinking		
2.	Before crosslinking		
3.	After crosslinking		
4.	Before crosslinking		
5.	After crosslinking		

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