

Mecoline I RDX 1213 F

Thermoplastic
Melos GmbH

Message:

Halogen-free, low smoke, highly oil and extra fuel resistant, radiation cross-linkable, flame retardant, max operating temperature 125°C, compound for thin wall insulation of wire for Automotive applications.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Fuel Resistant		
	Halogen Free		
	High Heat Resistance		
	Irradiation Crosslinkable		
	Low Smoke Emission		
	Oil Resistant		
Uses	Automotive Applications		
	Thin-walled Insulation		
	Wire & Cable Applications		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (150°C/10.0 kg)	6.0	g/10 min	ISO 1133
pH	> 4.5		EN 50267-2-2
Conductivity	< 10.0	µS/mm	
Head Temperature	145 to 165	°C	
Extruder Screw L/D Ratio	20.0:1.0 to 25.0:1.0		
Extruder Screw Compression Ratio	2.0:1.0 to 3.0:1.0		
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	47		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			SAE J1128
-- ¹	15.8	MPa	
-- ²	7.00	MPa	
Tensile Strain			SAE J1128
Break ³	220	%	

Break ⁴	670	%	
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (155°C, 168 hr)	5.0	%	SAE J1128
Change in Tensile Strain at Break in Air (155°C, 168 hr)	-10	%	SAE J1128
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (20°C)	1.3E+14	ohms·cm	IEC 60167
Electric Strength	27	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	30	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	100 to 120	°C	
Cylinder Zone 2 Temp.	120 to 140	°C	
Cylinder Zone 3 Temp.	125 to 145	°C	
Cylinder Zone 4 Temp.	130 to 150	°C	
Cylinder Zone 5 Temp.	140 to 160	°C	
Adapter Temperature	145 to 165	°C	
Die Temperature	150 to 170	°C	
NOTE			
1.	After crosslinking		
2.	Before crosslinking		
3.	After crosslinking		
4.	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

