

DynaChar™ C166

Polyolefin

Polymer Dynamix

Message:

Non Halogen Flame Retardant TPO - HFFR - LSZH

Features

Excellent Chemical Resistance

Low Temperature Properties

Ultra Low Smoke and Toxicity FR Properties

Easy extrusion for insulation or jacket

Applications:

Wire and Cable

Industrial

Aerospace

General Information			
Features	Flame Retardant		
	Good Chemical Resistance		
	Halogen Free		
	Low Smoke Emission		
	Low Temperature Resistant		
	Low Toxicity		
Uses	Aerospace Applications		
	Industrial Applications		
	Insulation		
	LSZH Insulation		
	Wire & Cable Applications		
Processing Method	Wire & Cable Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	112	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	14.5	MPa	ASTM D412
Tensile Elongation (Break)	> 250	%	ASTM D412
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	160	°C	DSC

Flammability	Nominal Value	Unit	Test Method
Oxygen Index	51	%	ASTM D2863

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