

EPIGUM EXP/53

Thermoplastic Elastomer

Crosspolimeri S.p.A.

Message:

EPIGUM EXP/53 is a halogen free thermoplastic material.
EPIGUM EXP/53 is a high performance thermoplastic material, thermally stable until 150°C, with continuous temperature rating 105°C.
Suitable to use on medium voltage cable insulation.
Readily recycled both in process and post consumer.

General Information			
Features	Halogen Free		
	Recyclable Material		
Uses	Medium Voltage Insulation		
	Wire & Cable Applications		
Agency Ratings	VDE 0207-2 9YI2		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	53		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	> 16.0	MPa	IEC 60811
Tensile Strain (Break)	> 600	%	IEC 60811
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-20°C)	> 800	J/m	ASTM D256
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (135°C, 168 hr)	< 25	%	IEC 60811
Change in Tensile Strain at Break in Air (135°C, 168 hr)	< 25	%	IEC 60811
Heat Aging - 6 hr (200°C)	Pass		IEC 60811
Bending Test (-40°C)	Pass		
Hot Pressure Test - Penetration ¹ (125°C)	< 10	%	IEC 60811
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+16	ohms · cm	BS 6622
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	170	°C	

Cylinder Zone 2 Temp.	180	°C
Cylinder Zone 3 Temp.	190	°C
Cylinder Zone 4 Temp.	200	°C
Cylinder Zone 5 Temp.	205	°C
Die Temperature	210	°C

NOTE

1. 6 hr

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Recommended distributors for this material

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