

Hy-Vin® GH3169

Flexible Polyvinyl Chloride

INEOS Compounds

Message:

Description: Opaque flexible PVC extrusion compound
2002/95/EC (RoHS) compliant
Colour: Natural and colours
Application: For high temperature sheathing cables
Specification: Cables to BS 7655 TM3, Type 5 & U.L. 105°C applications
Form: Granules

General Information			
Features	Good Flexibility		
	High Heat Resistance		
Uses	Cable Jacketing		
	Wire & Cable Applications		
Agency Ratings	BS 7655 TM3 Type 5		
RoHS Compliance	RoHS Compliant		
Appearance	Colors Available		
	Natural Color		
	Opaque		
Forms	Granules		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.36	g/cm ³	BS 2782
Water Absorption (Equilibrium)	0.13	%	BS 2782 430A
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 15 sec, 23°C)	80		BS 2782
BS Softness - BSS°	37		BS 2782
Cold Bend	< -40	°C	BS 2782
Cold Flexibility	-26	°C	BS 2782
Head Temperature	160	°C	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²	17.0	MPa	IEC 60811-1-1
Tensile Elongation ³ (Break)	270	%	IEC 60811-1-1
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	7.0E+11	ohms · cm	BS 2782
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	24	%	ISO 4589-2

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	155	°C
Cylinder Zone 2 Temp.	155	°C
Cylinder Zone 3 Temp.	160	°C
Cylinder Zone 4 Temp.	160	°C
Die Temperature	165	°C

NOTE		
1.	varies with colour	
2.	500 mm/min	
3.	500 mm/min	

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