

Alpha PVC 2105FR-80 CLEAR 0002

Polyvinyl Chloride

AlphaGary

Message:

ALPHA PVC 2105FR-80 is a clear, high temperature compound designed to meet UL 105 degree FR.1 requirements. PVC 2105FR-80 is recommended for SPT, 105 degree sleeving and wire jacketing.

General Information			
Features	Flame Retardant		
	High Heat Resistance		
Uses	Wire Jacketing		
Agency Ratings	UL FRI		
RoHS Compliance	Contact Manufacturer		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21 to 1.25	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec, 6.35 mm)	77 to 83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant	9.10	MPa	ASTM D638
Tensile Strength	22.1	MPa	ASTM D638
Tensile Elongation (Break)	330	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ¹	70.1	kN/m	ASTM D1004
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-25.0	°C	ASTM D746
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	138	°C	
Cylinder Zone 2 Temp.	149	°C	
Cylinder Zone 3 Temp.	160	°C	
Cylinder Zone 4 Temp.	166	°C	
Cylinder Zone 5 Temp.	166	°C	
Adapter Temperature	171	°C	
Melt Temperature	171 to 182	°C	
Die Temperature	171	°C	
NOTE			

1. Graves

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