

Alpha PE GPE 2001-R NATURAL

Polyethylene

AlphaGary

Message:

A PBB, PBBE AND PBBO FREE, FLAME RETARDED THERMOPLASTIC INSULATION AND SPLINE COMPOUND INTENDED FOR COMMUNICATIONS CABLE (90C DEGREE RATED).

General Information			
Features	Flame Retardant		
Uses	Communication Wire Insulation		
RoHS Compliance	Contact Manufacturer		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14 to 1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/10.0 kg)	11	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D	61 to 67		
Shore D, 15 sec	54 to 60		
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ¹	17.2	MPa	ASTM D412
Tensile Elongation ² (Break)	500	%	ASTM D412
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-19.0	°C	ASTM D2863
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (23°C, 100 MHz)	2.44		ASTM D150
Dissipation Factor (23°C, 100 MHz)	3.0E-4		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	26	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	160	°C	
Cylinder Zone 2 Temp.	166	°C	
Cylinder Zone 3 Temp.	171	°C	
Cylinder Zone 4 Temp.	177	°C	
Cylinder Zone 5 Temp.	177	°C	
Adapter Temperature	177	°C	
Melt Temperature	174 to 182	°C	
Die Temperature	177	°C	

NOTE

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| 1. | Extruded Tape |
| 2. | Extruded Tape |

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