

Alpha PVC 2215/3X-55 BLACK 1000

Polyvinyl Chloride

AlphaGary

Message:

AlphaGary PVC 2215/3X-55 Black 1000 is a thermoplastic polyvinyl chloride molding compound for automotive grommets and connectors with fungus resistance properties. PVC 2215/3X-55 Black 1000 also satisfies the requirements for many general purpose molding applicaitons, where ease of flow, stability along with low temperature brittleness are important.

General Information			
Features	Antibacterial property		
	Good liquidity		
	Good stability		
Uses	Washer		
	Connector		
	Application in Automobile Field		
	General		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18 - 1.22	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec, 6.35 mm)	52 - 58		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant (1.91 mm)	3.17	MPa	ASTM D638
Tensile Strength (1.91 mm)	10.3	MPa	ASTM D638
Tensile Elongation (Break, 1.91 mm)	430	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ¹	36.8	kN/m	ASTM D1004
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-47.5	°C	ASTM D746
Injection	Nominal Value	Unit	
Rear Temperature	143	°C	
Middle Temperature	154	°C	
Front Temperature	160	°C	

Nozzle Temperature	171	°C
Processing (Melt) Temp	166 - 177	°C
Injection instructions		
Zone 4: 330°FZone 5: 340°F		
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	143	°C
Cylinder Zone 2 Temp.	154	°C
Cylinder Zone 3 Temp.	160	°C
Cylinder Zone 4 Temp.	166	°C
Cylinder Zone 5 Temp.	171	°C
Adapter Temperature	171	°C
Melt Temperature	166 - 177	°C
NOTE		
1.	Graves	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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