

Garathane™ X 96-322-A NAT

Polyvinyl Chloride Alloy

AlphaGary

Message:

GARATHANE X 96-322-A IS A PVC ALLOY FOOTWEAR COMPOUND

General Information			
Uses	Footwear		
RoHS Compliance	Contact Manufacturer		
Appearance	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18 to 1.22	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	67 to 73		
Shore A, 15 sec	57 to 63		
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance			
loss, 1000 cycles	0.350	%	
loss, 5000 cycles	2	%	
Ross Flex (-29°C, 6.35 mm)	30000		ASTM D1052
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain, 1.91 mm)	3.03	MPa	ASTM D412
Tensile Strength (1.91 mm)	9.65	MPa	ASTM D412
Tensile Elongation (Break, 1.91 mm)	400	%	ASTM D412
Aging	Nominal Value	Unit	
Change in Volume ¹			
23°C, 168 hr, in Gasoline	-26	%	
23°C, 336 hr, in Gasoline	-26	%	
23°C, 336 hr, in Vegetable Oil	-22	%	
75°C, 168 hr, in Vegetable Oil	-28	%	
NOTE			
1.	Thickness: 75 mil		

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