

Garathane™ X 05-309-A3 NATURAL

Polyvinyl Chloride + PUR

AlphaGary

Message:

A PVC/PU ALLOY FOR FOOTWEAR APPLICATIONS.

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	59 to 65		
Shore A, 15 sec	51 to 57		
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance ¹			
loss, 1000 cycles	0.400	%	
loss, 5000 cycles	2	%	
Ross Flex (-29°C, 6.35 mm)	35000		ASTM D1052
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (1.91 mm)	10.3	MPa	ASTM D412
Tensile Elongation (Break, 1.91 mm)	400	%	ASTM D412
Aging	Nominal Value	Unit	
Change in Volume ²			
23°C, 168 hr, in Gasoline	-38	%	
23°C, 336 hr, in Gasoline	-39	%	
23°C, 336 hr, in Vegetable Oil	-38	%	
75°C, 168 hr, in Vegetable Oil	-34	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-54.0	°C	ASTM D746
NOTE			
1.	Taber Abrasion QLWI-8.2.4-44		
2.	Thickness: 75 mil		

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