

# Geon™ Vinyl Flexible 90234

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible 90234 is a Flexible Polyvinyl Chloride product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ Vinyl Flexible 90234 include automotive and outdoor applications.

General Information			
Uses	Automotive Applications		
	Outdoor Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Break)	15.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	280	%	ASTM D638
Tear Resistance <sup>3</sup>	32.5	kN/m	ASTM D1004
Fungal Resistance	Pass		ASTM G21
Low Temperature Flexibility <sup>4</sup> (-29°C, 508.0 µm)	Pass		
Volatile Loss <sup>5</sup> (105°C, 1.91 mm)	0.35	%	ASTM D1203B
Xenon Weatherometer <sup>6</sup>	Pass		SAE J1960
NOTE			
1.	Type IV, 510 mm/min		
2.	Type IV, 510 mm/min		
3.	Die C, 2 in/min		
4.	4 hr, 12 mm		
5.	Method A		
6.	Exterior, 2500 kJ/m <sup>2</sup> , Black, dE* <3.0		

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