

Geon™ Vinyl Flexible 90034

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible 90034 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. Typical application: Automotive. Primary characteristic: high gloss.

General Information			
Features	High Gloss		
Uses	Automotive Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	15.0	MPa	ASTM D638
Tensile Elongation ² (Break)	320	%	ASTM D638
Tear Resistance ³	50.0	kN/m	ASTM D1004
Fungal Resistance	Pass		ASTM G21
Low Temperature Flexibility ⁴ (-29°C, 508.0 µm)	Pass		
Volatile Loss ⁵ (105°C, 1.91 mm)	0.34	%	ASTM D1203B
Xenon Weatherometer ⁶	Pass		SAE J1960
NOTE			
1.	510 mm/min		
2.	510 mm/min		
3.	Die C, 2 in/min		
4.	4 hr, 12 mm		
5.	Method A		
6.	Exterior, 2500 kJ/m ² , All Colors, dE* < 3.0		

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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

