

Geon™ Vinyl Flexible 90046

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible 90046 is a flexible polyvinyl chloride product. It can be processed by co-extrusion or extrusion and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Geon™ Vinyl Flexible 90046 applications include the automotive industry and outdoor applications. The main characteristics are: high gloss.

General Information	
Features	Highlight
Uses	Application in Automobile Field Car exterior decoration Outdoor application
Appearance	Clear/transparent
Forms	Particle
Processing Method	Co-extrusion molding Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	58		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	24.1	MPa	ASTM D638
Tensile Elongation ² (Break)	270	%	ASTM D638
Tear Resistance ³	107.5	kN/m	ASTM D1004
Low Temperature Flexibility ⁴ (-29°C, 508.0 µm)	Pass		
Volatile Loss ⁵ (105°C, 1.91 mm)	0.33	%	ASTM D1203B
Antifungal	Pass		ASTM G21
Xenon Weatherometer ⁶	Pass		SAE J1960
Additional Information	Nominal Value	Unit	Test Method

注释:汽车OEM认证.

NOTE	
1.	Type 4, 510mm/min
2.	Type 4, 510mm/min
3.	Mold C,2 inches/min
4.	4 hours, 12mm
5.	Method A

6. External, 2500 kJ/m, natural color,
dE * < 3.0

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