

Geon™ Vinyl Flexible R109AM

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible R109AM is a Flexible Polyvinyl Chloride product. It can be processed by extrusion or injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Consumer Goods. Primary characteristic: high flow.

General Information	
Features	High Flow
Uses	Footwear
Forms	Pellets
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	67		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	14.5	MPa	ASTM D638
Tensile Elongation ² (Break)	400	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-37.2	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	182 to 188	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	171 to 177	°C	

NOTE	
1.	Type IV, 510 mm/min
2.	Type IV, 510 mm/min

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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



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