

Geon™ Vinyl Flexible R4510H

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible R4510H 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: Hose/Tubing.

Characteristics include:

Heat Resistant

High Gloss

Lubricated

General Information			
Additive	Lubricant		
Features	Good Thermal Stability		
	High Gloss		
	Lubricated		
Uses	Hose		
	Tubing		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	15.5	MPa	
100% Strain	7.76	MPa	
Tensile Elongation ² (Break)	350	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-30.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	24	%	ASTM D2863
Injection	Nominal Value	Unit	
Processing (Melt) Temp	193 to 199	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	179 to 182	°C	

NOTE

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

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Recommended distributors for this material

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