

Geon™ Vinyl Flexible R356AE

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible R356AE is a Flexible Polyvinyl Chloride product. It can be processed by extrusion, injection molding, or profile extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ Vinyl Flexible R356AE include hose/tubing and automotive. Primary characteristic: uv stabilized.

General Information	
Additive	UV Stabilizer
Features	General Purpose
	Medium Gloss
	UV Absorbing
Uses	Automotive Bumper
	General Purpose
	Hose
	Profiles
	Tubing
Forms	Pellets
Processing Method	Extrusion
	Injection Molding
	Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	78		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	18.6	MPa	ASTM D638
Tensile Elongation ² (Break)	380	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-33.9	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	188 to 199	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	171 to 179	°C	

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

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