

# Westlake PVC 9190

Westlake Chemical Corporation - Rigid Polyvinyl Chloride

Friday, September 20, 2019

## General Information

### Product Description

AXIALL's Georgia Gulf 9190 was developed to aid compliance with source reduction initiatives especially when low temperature impact strength is a concern. It has superior properties, which in most cases will facilitate light weighting of the package. This product is used for a variety of opaque packaging applications including toiletries, household chemicals, automotive care products and charcoal lighter fluid.

### General

Material Status	<ul style="list-style-type: none"> <li>Commercial: Active</li> </ul>
Availability	<ul style="list-style-type: none"> <li>North America</li> </ul>
Features	<ul style="list-style-type: none"> <li>Low Temperature Impact Resistance</li> </ul>
Uses	<ul style="list-style-type: none"> <li>Packaging</li> </ul>
Forms	<ul style="list-style-type: none"> <li>Pellets</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>Blow Molding</li> </ul>

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.31	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2990	MPa	ASTM D638
Tensile Strength (Yield)	44.0	MPa	ASTM D638
Flexural Strength	73.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C, 3.18 mm	1100	J/m	
0°C, 6.35 mm	680	J/m	
23°C, 3.18 mm	1300	J/m	
23°C, 6.35 mm	860	J/m	
Tensile Impact Strength	229	kJ/m <sup>2</sup>	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed	61.2	°C	

### Additional Information

Equilibrium Torque, Brabender Plastograph, No. 6 Roller Head, 190°C Bath, 60 g Charge; 60/43 rpm: 1305 m-g  
Stability Time, Brabender Plastograph, No. 6 Roller Head, 190°C Bath, 60 g Charge; 60/43 rpm: 31.5 min

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.