

# Unichem 4511-WHITE

Flexible Polyvinyl Chloride

Colorite Polymers

Message:

Unichem 4511-WHITE is a Flexible Polyvinyl Chloride product. It can be processed by extrusion or injection molding and is available in North America.  
Typical application: Food Contact Applications.  
Characteristics include:  
Good Flexibility  
Non-Toxic

General Information	
Features	Good Flexibility Non-Toxic
Uses	Food Service Applications
Forms	Pellets
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	46		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	7.31	MPa	ASTM D638
Tensile Elongation (Yield)	480	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	2.00	MPa	ASTM D412
Injection	Nominal Value	Unit	
Processing (Melt) Temp	154 to 160	°C	
Mold Temperature	10.0 to 37.8	°C	
Back Pressure	0.689 to 2.76	MPa	
Screw Speed	40 to 100	rpm	
Screw Compression Ratio	2.0:1.0 to 3.0:1.0		

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