

# Unichem 5812

Polyvinyl Chloride

Colorite Polymers

## Message:

Unichem 5812 is a Polyvinyl Chloride product. It is available in North America. Applications of Unichem 5812 include food contact applications and medical/healthcare.

Characteristics include:

- Good Flexibility
- Heat Resistant
- Non-Toxic

General Information			
Features	Good Flexibility		
	Good Flow		
	Good Thermal Stability		
	Non-Toxic		
Uses	Food Service Applications		
	Medical/Healthcare Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	0.87	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	12.1	MPa	ASTM D638
Tensile Elongation (Yield)	430	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	4.48	MPa	ASTM D412
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-43.9	°C	ASTM D746

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