

Unichem 6812 GREEN 308

Flexible Polyvinyl Chloride

Colorite Polymers

Message:

Unichem 6812 GREEN 308 is a flexible polyvinyl chloride product. It can be processed by injection molding and is available in North America. Unichem 6812 GREEN 308 applications include containers, food contact applications and medical/health care.

Features include:

- Good flexibility
- odorless/tasteless channel

General Information			
Features	Lower taste transfer		
	Good flexibility		
Uses	Food container		
	Medical/nursing supplies		
Agency Ratings	FDA Food Exposure, Not Rated		
Appearance	Green		
	Clear/transparent		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	68		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	12.4	MPa	ASTM D638
Tensile Elongation (Yield)	400	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	5.52	MPa	ASTM D412
Injection	Nominal Value	Unit	
Processing (Melt) Temp	163 - 168	°C	
Mold Temperature	10.0 - 37.8	°C	
Back Pressure	0.689 - 2.76	MPa	
Screw Speed	40 - 100	rpm	
Screw Compression Ratio	2.0 : 1.0 - 3.0 : 1.0		

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