

Unichem 8511-02

Flexible Polyvinyl Chloride

Colorite Polymers

Message:

Unichem 8511-02 is a Flexible Polyvinyl Chloride product. It can be processed by extrusion or injection molding and is available in North America. Applications of Unichem 8511-02 include food contact applications and medical/healthcare. Primary characteristic: good flexibility.

General Information	
Features	Good Flexibility
Uses	Food Service Applications
	Medical/Healthcare Applications
Agency Ratings	FDA Food Contact, Unspecified Rating
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	18.3	MPa	ASTM D638
Tensile Elongation (Yield)	300	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	11.4	MPa	ASTM D412
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-25.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	166 to 177	°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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