Unichem 8511G-05

Flexible Polyvinyl Chloride

Colorite Polymers

Message:

Unichem 8511G-05 is a Flexible Polyvinyl Chloride product. It can be processed by extrusion or injection molding and is available in North America.
Applications of Unichem 8511G-05 include food contact applications and medical/healthcare.
Characteristics include:
Non-Toxic
Sterilizable

General Information	
Features	Good Color Stability Non-Toxic Radiation Sterilizable
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	1.25	g/cm³	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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Recommended distributors for this material

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