

Unichem 9613

Flexible Polyvinyl Chloride

Colorite Polymers

Message:

Unichem 9613 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. Primary characteristic: rigid.

General Information	
Features	Semi Rigid
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	1.29	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	52		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.4	MPa	ASTM D638
Tensile Elongation (Yield)	200	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	17.2	MPa	ASTM D412
Injection	Nominal Value	Unit	
Processing (Melt) Temp	160 to 168	°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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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