

# Unichem 5543

Flexible Polyvinyl Chloride

Colorite Polymers

## Message:

Unichem 5543 is a flexible polyvinyl chloride product. It can be processed by injection molding and is available in North America.

General Information			
Features	Good liquidity		
	General		
Uses	General		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	9.31	MPa	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Additional Information			
100% Modulus, ASTM D638: 460 psi			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	160 - 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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## Recommended distributors for this material

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