

45G

## - Flexible Polyvinyl Chloride

Friday, June 30, 2017

General Information			
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Material Status	Commercial: Active		
Availability	Asia Pacific		
Features	Non-Phthalate Plasticizer Radiation Sterilizable		
Uses	Medical/Healthcare Applications		
Forms	Pellets		
Processing Method	Extrusion		

ASTM & ISO Properties <sup>1</sup>			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18 to 1.22		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	> 2130	psi	ASTM D638
Tensile Elongation (Break)	> 300	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70 to 76		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Heat Stability - Oven (374°F)	> 30.0	min	ASTM D2115-92
Additional Information			

## Additional Information

Typical temperature profile for processing compound is from 135°C to 175°C. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone: 135°C Compression zone: 145°C~155°C Mixing zone: 155°C~170°C Nozzle/Die Zone: 160°C~175°C

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 20 in/min

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