

# Alpha PVC 3006-95

Polyvinyl Chloride

Mexichem Specialty Compounds Inc.

## Message:

Alpha PVC 3006-95 is a polyvinyl chloride product. It can be processed by injection molding and is available in North America. Typical application areas are: medical/health care.

Features include:

Good processability

Good flexibility

Heat resistance

Transparency

non-toxic

General Information			
Features	Workability, good		
	Good flexibility		
	Definition, high		
	Thermal stability, good		
	Good demoulding performance		
	Non-toxic		
Uses	Medical/nursing supplies		
Agency Ratings	USP Class VI		
RoHS Compliance	Contact manufacturer		
Appearance	Available colors		
	Clear/transparent		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	1.1	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	95		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	24.0	MPa	ASTM D638
Tensile Elongation (Yield)	270	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-7.22	°C	ASTM D746
Injection	Nominal Value	Unit	
Rear Temperature	149	°C	
Middle Temperature	160	°C	

Front Temperature	171	°C
Nozzle Temperature	171	°C
Processing (Melt) Temp	160 - 171	°C
Back Pressure	0.345	MPa
Screw Speed	50	rpm
Screw L/D Ratio	16.0:1.0 to 24.0:1.0	
Screw Compression Ratio	2.5:1.0 - 3.0:1.0	

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#### Recommended distributors for this material

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