

# Flexalloy® 9300-60

Polyvinyl Chloride Elastomer

Teknor Apex Company

Message:

Flexalloy® 9300-60 is a Polyvinyl Chloride Elastomer (PVC Elastomer) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for extrusion or injection molding.

Important attributes of Flexalloy® 9300-60 are:

- Chemical Resistant
- Eco-Friendly/Green
- Good Weather Resistance
- Heat Resistant
- High Molecular Weight
- Typical applications include:
  - Hose/Tubing
  - Coating Applications
  - Containers
  - Sealing Applications

General Information			
Features	Good Thermal Stability		
	Good Weather Resistance		
	Oil Resistant		
	Recyclable Material		
	Ultra High Molecular Weight		
Uses	Coating Applications		
	Hose		
	Seals		
	Tool/Tote Box		
	Tubing		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.0 to 2.5	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Break	14.8	MPa	
100% Strain	4.69	MPa	

Tensile Elongation (Break)	340	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Compression Set (23°C)	32	%	ASTM D395
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-43.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Suggested Max Regrind	20	%	
Rear Temperature	177 to 193	°C	
Middle Temperature	177 to 193	°C	
Front Temperature	177 to 193	°C	
Mold Temperature	23.9 to 51.7	°C	
Back Pressure	0.345 to 1.03	MPa	
Screw L/D Ratio	20.0:1.0 to 24.0:1.0		
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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