Flexalloy® 9100-65

Polyvinyl Chloride Elastomer

Teknor Apex Company

Message:

Flexalloy®9100-65 is a polyvinyl chloride elastomer (PVC elastomer) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is extrusion or injection molding.
Flexalloy®The main features of 9100-65 are:
high molecular weight
environmental protection/green
good weather resistance
Heat resistance
Typical application areas include:
Hose
sheet
Movie
Sling/Rope
engineering/industrial accessories

General Information	
Features	Ultra high molecular weight
	Recyclable materials
	Good weather resistance
	Thermal stability, good
	General
Uses	Films
	Wheels
	Washer
	Tools/Parts Box
	Pipe
	Pipe fittings
	Seals
	Weather-resistant sealing strip
	Sheet
	Rope
	Footwear
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm³	ASTM D792
Molding Shrinkage - Flow	1.0 - 2.5	%	ASTM D955

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	65		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Fracture	14.5	MPa	ASTM D638
100% strain	5.24	MPa	ASTM D638
Tensile Elongation (Break)	360	%	ASTM D638
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tear Strength	35.9	kN/m	ASTM D624
Compression Set			ASTM D395
23°C	23	%	ASTM D395
70°C, 22 hr	55	%	ASTM D395
Thermal	**Nominal Value**	**Unit**	**Test Method**
Continuous Use Temperature	80.0	°C	ASTM D794
Brittleness Temperature	-50.0	°C	ASTM D746
Additional Information			
脆化温度,ASTM D746:<-50°C			
Injection	**Nominal Value**	**Unit**	
Suggested Max Regrind	20	%	
Rear Temperature	177 - 193	°C	
Middle Temperature	177 - 193	°C	
Front Temperature	177 - 193	°C	
Mold Temperature	23.9 - 51.7	°C	
Back Pressure	0.345 - 1.03	MPa	
Screw L/D Ratio	20.0 : 1.0 - 24.0 : 1.0		
Screw Compression Ratio	2.0 : 1.0 - 3.0 : 1.0		

Recommended distributors for this material

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WECHAT