



# Flexalloy® 9200-45-BL

Teknor Apex Company - Polyvinyl Chloride Elastomer

## General Information

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Foamable • Good Thermal Stability	• Recyclable Material • Ultra High Molecular Weight	• Weather Resistant
Uses	• Foam	• Footwear	
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10		ASTM D792
Molding Shrinkage - Flow	0.010 to 0.025	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	1250	psi	ASTM D638
Tensile Elongation (Break)	390	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	45		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-68.8	°F	ASTM D746

## Processing Information

Injection	Nominal Value	Unit
Suggested Max Regrind	20	%
Rear Temperature	320 to 350	°F
Middle Temperature	320 to 350	°F
Front Temperature	320 to 350	°F
Mold Temperature	75 to 125	°F
Back Pressure	50.0 to 150	psi
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	

### Notes

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