

## AuroraFlex™ G 18042

Aurora Material Solutions, LLC - *Thermoplastic Elastomer*

### General Information

#### Product Description

A PVC/TPE based compound with good rubber like resilient properties designed for general purpose extrusion and molding application.

Note: Additional custom color matching is available upon request.

#### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• General Purpose	• Resilient	
Uses	• General Purpose		
Appearance	• Colors Available		
Processing Method	• Extrusion	• Injection Molding	

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.25 to 1.31		ASTM D792
Melt Mass-Flow Rate (MFR) (175°C/10.0 kg)	15	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	1800	psi	ASTM D412
Tensile Elongation (Break)	450	%	ASTM D412
Compression Set			ASTM D395B
73°F, 22 hr	22	%	
158°F, 22 hr	65	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	57 to 63		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-50.8	°F	ASTM D746

### Processing Information

Extrusion	Nominal Value	Unit
Drying Temperature	190	°F
Drying Time	4.0	hr
Cylinder Zone 1 Temp.	325	°F
Cylinder Zone 2 Temp.	330	°F
Cylinder Zone 3 Temp.	335	°F
Cylinder Zone 4 Temp.	340	°F
Melt Temperature	340	°F
Die Temperature	345 to 355	°F

