

## AuroraFlex™ 3345

Aurora Material Solutions, LLC - *Thermoplastic Elastomer*

### General Information

#### Product Description

AuroraFlex 3345 is a natural S-B-S thermoplastic elastomer formulated for general purpose applications that require rubber-like properties and a good surface finish. AuroraFlex 3345 can be overmolded and/or coextruded onto polystyrene.

#### General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Features	• General Purpose • Good Surface Finish
Uses	• General Purpose • Overmolding
Appearance	• Natural Color
Processing Method	• Coextrusion • Injection Molding

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.942		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	290	psi	ASTM D412
Tensile Strength	624	psi	ASTM D412
Tensile Elongation (Break)	460	%	ASTM D412
Tear Strength	114	lbf/in	ASTM D624
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	51		ASTM D2240

### Processing Information

Injection	Nominal Value	Unit
Rear Temperature	351	°F
Middle Temperature	370 to 390	°F
Front Temperature	379 to 399	°F
Nozzle Temperature	390 to 399	°F
Processing (Melt) Temp	390 to 399	°F
Mold Temperature	100 to 120	°F
Injection Rate	Slow-Moderate	
Back Pressure	49.3 to 149	psi
Screw Speed	75 to 125	rpm
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	309 to 320	°F
Cylinder Zone 2 Temp.	320 to 340	°F
Cylinder Zone 3 Temp.	340 to 351	°F
Cylinder Zone 4 Temp.	360 to 370	°F
Cylinder Zone 5 Temp.	351 to 360	°F
Die Temperature	320 to 340	°F

