

**AuroraFlex™ SG 20111618**

Aurora Material Solutions, LLC - *Compounded Polypropylene*
**General Information**
**Product Description**

AuroraFlex 20111618 is a thermoplastic elastomer that has been developed for applications that require silk matte surface finish. Product is supplied as ready to use pellets.

**General**

Material Status	<ul style="list-style-type: none"> <li>Commercial: Active</li> </ul>		
Availability	<ul style="list-style-type: none"> <li>Africa &amp; Middle East</li> <li>Asia Pacific</li> </ul>	<ul style="list-style-type: none"> <li>Europe</li> <li>Latin America</li> </ul>	<ul style="list-style-type: none"> <li>North America</li> </ul>
Uses	<ul style="list-style-type: none"> <li>Aerospace Applications</li> <li>Agricultural Applications</li> <li>Appliances</li> <li>Automotive Applications</li> <li>Capstock</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Applications</li> <li>Electrical/Electronic Applications</li> <li>Energy Storage</li> <li>Film</li> <li>Footwear</li> </ul>	<ul style="list-style-type: none"> <li>Furniture</li> <li>Medical/Healthcare Applications</li> <li>Personal Care</li> <li>Sheet</li> </ul>
RoHS Compliance	<ul style="list-style-type: none"> <li>RoHS Compliant</li> </ul>		
Appearance	<ul style="list-style-type: none"> <li>Matte Finish</li> </ul>		
Forms	<ul style="list-style-type: none"> <li>Pellets</li> </ul>		
Processing Method	<ul style="list-style-type: none"> <li>Extrusion</li> </ul>		

**Properties <sup>1</sup>**

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density / Specific Gravity	0.942		ASTM D792
<b>Elastomers</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Stress (100% Strain)	1200	psi	ASTM D412
Tensile Strength (Break)	1410	psi	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Tear Strength	320	lbf/in	ASTM D624
<b>Hardness</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Durometer Hardness (Shore A, 10 sec)	88		ASTM D2240

**Processing Information**

<b>Extrusion</b>	<b>Nominal Value</b>	<b>Unit</b>
Cylinder Zone 1 Temp.	335	°F
Cylinder Zone 2 Temp.	345	°F
Cylinder Zone 3 Temp.	355	°F
Cylinder Zone 4 Temp.	360	°F
Melt Temperature	355	°F
Die Temperature	365 to 375	°F

**Notes**

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

