

**AuroraGuard™ GTPO8290-GT7**

Aurora Material Solutions, LLC - Polyethylene

**General Information**
**Product Description**

An 80 C, Low Smoke, Zero Halogen, Flame Retardant Polyethylene Compound designed for extrusion applications. Specifically formulated to withstand severe UV exposure while maintaining very good color stability. Exhibits excellent processing characteristics at low temperature profile and lower motor load.

**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>
Additive	<ul style="list-style-type: none"> <li>Flame Retardant</li> </ul>		
Features	<ul style="list-style-type: none"> <li>Flame Retardant</li> <li>Good Color Stability</li> <li>Good Processability</li> </ul>	<ul style="list-style-type: none"> <li>Halogen Free</li> <li>Low Smoke Emission</li> <li>Low Temperature Toughness</li> </ul>	<ul style="list-style-type: none"> <li>UV Stabilized</li> </ul>
Uses	<ul style="list-style-type: none"> <li>Aerospace Applications</li> <li>Agricultural Applications</li> <li>Appliances</li> <li>Automotive Applications</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Applications</li> <li>Electrical/Electronic Applications</li> <li>Energy Storage</li> <li>Fencing &amp; Decking</li> </ul>	<ul style="list-style-type: none"> <li>Medical/Healthcare Applications</li> <li>Rail Applications</li> <li>Siding Applications</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>Extrusion</li> </ul>		

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.28 to 1.32		ASTM D792
<b>Mechanical</b>			
Tensile Strength (Break)	1200	psi	ASTM D638
Tensile Elongation (Break)	350	%	ASTM D638
<b>Hardness</b>			
Durometer Hardness (Shore A)	94 to 100		ASTM D2240
<b>Thermal</b>			
Brittleness Temperature	-4.00	°F	ASTM D746
<b>Flammability</b>			
Oxygen Index	28	%	ASTM D2863

