

AuroraFlex™ GA4255DM

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information

Product Description

UV and germs resistant, flame retardant, RoHS Compliant, PVC material with good scratch and mar protection.

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 | |
| Additive | • Flame Retardant | | |
| Features | • Flame Retardant | • Good Scratch Resistance | • UV Resistant |
| Uses | • Aerospace Applications | • Consumer Applications | • Furniture |
| | • Agricultural Applications | • Electrical/Electronic Applications | • Medical/Healthcare Applications |
| | • Appliances | • Energy Storage | • Personal Care |
| | • Automotive Applications | • Film | • Sheet |
| | • Capstock | • Footwear | |
| RoHS Compliance | • RoHS Compliant | | |
| Appearance | • Colors Available | | |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--------------------------------------|---------------|------|-------------|
| Density / Specific Gravity | 1.37 to 1.43 | | ASTM D792 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 3000 | psi | ASTM D412 |
| Tensile Elongation (Break) | 300 | % | ASTM D412 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D, 15 sec) | 54 to 60 | | ASTM D2240 |
| Thermal | Nominal Value | Unit | Test Method |
| Brittleness Temperature | 10.4 | °F | ASTM D746 |
| Flammability | Nominal Value | Unit | Test Method |
| Oxygen Index | 34 | % | ASTM D2863 |

Processing Information

| Extrusion | Nominal Value | Unit |
|-----------------------|---------------|------|
| Cylinder Zone 1 Temp. | 310 | °F |
| Cylinder Zone 2 Temp. | 315 | °F |
| Cylinder Zone 3 Temp. | 325 | °F |
| Cylinder Zone 4 Temp. | 330 | °F |
| Melt Temperature | 320 | °F |
| Die Temperature | 340 to 350 | °F |

Notes

¹ Typical properties: these are not to be construed as specifications.

