

- Flexible Polyvinyl Chloride

Thursday, June 29, 2017

General Information

General

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|-------------------|--------------------------------------|
| Material Status | • Commercial: Active |
| Availability | • Asia Pacific |
| Features | • High Strength |
| Uses | • Electrical/Electronic Applications |
| Forms | • Pellets |
| Processing Method | • Injection Molding |

ASTM & ISO Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|---------|-------------|
| Specific Gravity | 1.33 | | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 2180 | psi | IEC 811-1-1 |
| Tensile Elongation ² (Break) | 220 | % | IEC 811-1-1 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 82 | | ASTM D2240 |
| Aging | Nominal Value | Unit | Test Method |
| Change in Tensile Strength (212°F, 168 hr) | 10 | % | IEC 811-1-2 |
| Change in Ultimate Elongation (212°F, 168 hr) | 20 | % | IEC 811-1-2 |
| Electrical | Nominal Value | Unit | Test Method |
| Volume Resistivity (68°F) | 5.0E+13 | ohms·cm | BS 2782 |

Notes

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

² 9.8 in/min

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