

## - Rigid Polyvinyl Chloride

Thursday, June 29, 2017

### General Information

#### General

|                   |   |
|-------------------|---|
| Material Status   | • Commercial: Active  |
| Availability      | • Asia Pacific  |
| Features          | • Food Contact Acceptable      • Ultra High Impact Resistance |
| Uses              | • Bottles      • Containers                                   |
| RoHS Compliance   | • RoHS Compliant  |
| Forms             | • Pellets   |
| Processing Method | • Blow Molding  |

### ASTM & ISO Properties <sup>1</sup>

| Physical                                | Nominal Value | Unit     | Test Method |
|---|---------------|----------|-------------|
| Specific Gravity                        | 1.31          |          | ASTM D792   |
| Mechanical                              | Nominal Value | Unit     | Test Method |
| Tensile Strength <sup>2</sup> (Yield)   | 6330          | psi      | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Break) | 160           | %        | ASTM D638   |
| Impact                                  | Nominal Value | Unit     | Test Method |
| Notched Izod Impact                     | 6.2           | ft-lb/in | ASTM D256   |
| Hardness                                | Nominal Value | Unit     | Test Method |
| Durometer Hardness (Shore D)            | 75            |          | ASTM D2240  |
| Thermal                                 | Nominal Value | Unit     | Test Method |
| Vicat Softening Temperature             | 172           | °F       | ASTM D1525  |
| Flammability                            | Nominal Value | Unit     | Test Method |
| Flame Rating (0.13 in)                  | V-0           |          | UL 94       |

#### Notes

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

<sup>2</sup> 9.8 in/min

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Revision Date: 1/1/2013

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