

**- Rigid Polyvinyl Chloride**

Thursday, June 29, 2017

**General Information**

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Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Low Temperature Impact Resistance
Uses	• Electrical Parts                      • Piping
Forms	• Pellets
Processing Method	• Injection Molding

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

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Specific Gravity	1.46 to 1.50		ASTM D792
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Strength (Yield)	6540	psi	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Notched Izod Impact	1.3	ft-lb/in	ASTM D256
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Vicat Softening Temperature			
--	190	°F	ASTM D1525 <sup>2</sup>
--	163	°F	ASTM D1525 <sup>3</sup>
Heat Stability <sup>4</sup> (374°F)	30.0	min	BS 2782

**Notes**

- <sup>1</sup> Typical properties: these are not to be construed as specifications.
- <sup>2</sup> Loading 1 (10 N)
- <sup>3</sup> Loading 2 (50 N)
- <sup>4</sup> Congo Red@190oC

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