

- Rigid Polyvinyl Chloride

Friday, June 30, 2017

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• High Impact Resistance
Uses	• Conduit • Piping
Forms	• Powder
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44 to 1.48		ASTM D792
Bulk Density - (g/cc) ²	0.620		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	6830	psi	ASTM D638
Tensile Elongation (Break)	70	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.4	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	190	°F	ASTM D1525
Heat Stability - Congo Red (374°F)	30.0	min	BS 2782

Additional Information

Typical temperature profile for SINVICOMP compound is from 160°C to 180°C. The optimum temperatures depend on the type of machine as well as screw design being used to process SINVICOMP.

Feeding zone: 160°C
 Compression zone: 160°C~170°C
 Mixing zone: 170°C~180°C
 Nozzle/Die Zone: 180°C

Notes

- ¹ Typical properties: these are not to be construed as specifications.
- ² Method: JIS 6721

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