

- Rigid Polyvinyl Chloride

Friday, June 30, 2017

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Good Impact Resistance
Uses	• Electrical/Electronic Applications • Profiles
Forms	• Powder
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36 to 1.40		ASTM D792
Bulk Density - (g/cc) ²	0.650		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	5690	psi	ASTM D638
Tensile Elongation (Break)	150	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.8	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	194	°F	ASTM D1525 ³
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

³ Loading 1 (10 N)

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