

- Rigid Polyvinyl Chloride

Friday, June 30, 2017

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Medium Impact Resistance
Uses	• Profiles
Forms	• Powder

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56 to 1.60		ASTM D792
Bulk Density	0.680		JIS K6721
Congo Red (374°F)	> 30.0		BS 2782
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	1.8	ft-lb/in	ASTM D256

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

Notes

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

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