

- Rigid Polyvinyl Chloride

Thursday, June 29, 2017

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• High Stiffness
Uses	• Appliance Wire Insulation
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2760	psi	IEC 754-2
Tensile Elongation (Break)	240	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	46		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature ²	221	°F	ASTM D794
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (68°F)	2.0E+14	ohms·cm	BS 2782 230A
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	30	%	ASTM D2863

Additional Information

Typical temperature profile for SINVICOMP compound is from 140°C to 185°C. The optimum temperatures depend on the type of machine as well as screw design being used to process SINVICOMP.

Feeding zone: 140°C
 Compression zone: 150°C~170°C
 Mixing zone: 170°C~180°C
 Nozzle/Die Zone: 185°C

Notes

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

² Dry

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