



Sinvicomp SIC3704M

Teknor Apex Asia Pacific PTE. LTD. - Rigid Polyvinyl Chloride

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Medium Impact Resistance
Uses	• Tubing
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.34		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	4930	psi	ASTM D638
Tensile Elongation (Break)	150	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.1	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	76		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Point - 50N Load	167	°F	ASTM D1525
Heat Stability - Congo Red (374°F)	30.0	min	BS 2782

Additional Information

Typical temperature profile for processing 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.