

- Flexible Polyvinyl Chloride

Thursday, June 29, 2017

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Good Flexibility
Uses	• Cable Jacketing • Wire & Cable Applications
Wire Types	• ST1
Agency Ratings	• IEC 60502
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2180	psi	IEC 811-1-1
Tensile Elongation ² (Break)	250	%	IEC 811-1-1
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	82		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Thermal Stability ³ (374°F)	> 2	hr	BS 2782
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (212°F, 168 hr)	15	%	IEC 811-1-2
Change in Ultimate Elongation (212°F, 168 hr)	20	%	IEC 811-1-2

Notes

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

² 9.8 in/min

³ Congo Red

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