

- 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	• ST4 • ST5	• Type 6 • YM1	• YM2
Agency Ratings	• BS 6747	• IEC 60227	• VDE 0207
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2470	psi	IEC 811-1-1
Tensile Elongation ² (Break)	300	%	IEC 811-1-1
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	79		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Thermal Stability ³ (374°F)	> 1	hr	BS 2782
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (176°F, 168 hr)	10	%	IEC 811-1-2
Change in Ultimate Elongation (176°F, 168 hr)	20	%	IEC 811-1-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (68°F)	1.0E+14	ohms·cm	BS 2782

Notes

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

² 9.8 in/min

³ Congo Red

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