

- Flexible Polyvinyl Chloride

Friday, June 30, 2017

General Information

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific		
Features	• High Stiffness		
Uses	• Electronic Insulation	• Wire & Cable Applications	
Wire Types	• C	• T11	• YI1
	• D	• TI2	• YI2
Agency Ratings	• BS 6746	• IEC 60227	• VDE 0207
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2610	psi	IEC 811-1-1
Tensile Elongation ² (Break)	300	%	IEC 811-1-1
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	83		ASTM D2240
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)	15	%	IEC 811-1-2

Notes

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

² 9.8 in/min

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