

## - Flexible Polyvinyl Chloride

Thursday, June 29, 2017

### General Information

#### General

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

### ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2900	psi	IEC 811-1-1
Tensile Elongation (Break)	260	%	IEC 811-1-1
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	42		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Heat Stability <sup>2</sup> (374°F)	40.0		BS 2782
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (180°F, 168 hr)	20	%	IEC 811-1-2
Change in Ultimate Elongation (180°F, 168 hr)	20	%	IEC 811-1-2

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Congo Red

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