

APEX® 4842

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

Wednesday, August 28, 2019

General Information

General

Material Status	• Preliminary Data
Availability	• Asia Pacific
Features	• Sunlight Resistant (720 hours)
Wire Types	• THW • TW
Agency Ratings	• UL QMTT2
Forms	• Pellets

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.35		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2610	psi	ASTM D638
Tensile Elongation (Break)	350	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	80		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-11.2	°F	ASTM D746
Maximum Continuous Use Temperature	221	°F	ASTM D794
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	29	%	ASTM D2863

Additional Information

Typical temperature profile for processing APEX 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 APEX compound.

Notes

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

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