TEKNOR APEX

05W

- Flexible Polyvinyl Chloride

Friday, June 30, 2017

General Information

General	
Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Oil Resistant
Uses	• Appliance Wire Insulation
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32		ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	3050	psi	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	44		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Continuous Use Temperature [2]	221	°F	ASTM D794
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity (68°F)	1.0E+15	ohms·cm	BS 2782 230A
Flammability	**Nominal Value**	**Unit**	**Test Method**
Oxygen Index	28	%	ASTM D2863

Additional Information

Typical temperature profile for PVC compound is from 150°C to 190°C. The optimum temperatures depend on the type of machine as well as screw design being used to process SINVICOMP materials.

Feeding zone: 150°C~165°C
Mixing zone: 170°C~185°C
Metering zone: 180°C~190°C
Nozzle/Die Zone: 180°C~190°C

Notes

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

[2] Dry

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