

# APEX® S3600-85NT

Teknor Apex Asia Pacific PTE. LTD. - Semi-Rigid Polyvinyl Chloride

Friday, August 30, 2019

## General Information

### Product Description

APEX S3600-85NT is a Polyvinyl Chloride Extrusion Compound available in granular form.

### General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Uses	• Hose
Agency Ratings	• NSF STD-61
Appearance	• Clear/Transparent
Forms	• Pellets

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.22		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Break)	2900	psi	ASTM D638
Tensile Elongation (Break)	330	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	85		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Thermal Stability (374°F)	> 30	min	ASTM D2115-92

### Additional Information

Typical temperature profile for processing compound is from 135oC to 180oC. The optimum temperatures depend on the type of machine as well as screw design being used to process.

Feeding zone 135°C

Compression zone 145°C ~ 155°C

Mixing zone 155°C ~ 165°C

Nozzle / Die zone 165°C ~ 180°C

### Notes

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

<sup>2</sup> 20 in/min

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