



# APEX® RE 8003

Teknor Apex Company - Rigid Polyvinyl Chloride

## General Information

### General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific • Latin America • North America
Features	• High Impact Resistance • Medium Gloss
Uses	• Profiles
Agency Ratings	• UL QMFZ2
Regulatory Statement	• Due to the frequent updates to regulations, specifically, California Proposition 65, EU REACH SVHCs, and RoHS, please contact Teknor Apex for the most up to date compliance statement, or refer to section 15 of the product SDS.
Appearance	• Opaque
Forms	• Pellets
Processing Method	• Extrusion

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.44		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	345000	psi	ASTM D638
Tensile Strength (Yield)	6520	psi	ASTM D638
Tensile Strength (Break)	6510	psi	ASTM D638
Tensile Elongation (Yield)	3.1	%	ASTM D638
Tensile Elongation (Break)	54	%	ASTM D638
Flexural Modulus	389000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact 73°F, 0.125 in, Compression Molded	14	ft·lb/in	ASTM D256
Drop Impact Resistance <sup>2</sup> (73°F, 0.125 in)	0.0230	in·lb/mil	ASTM D4226
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	80		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Annealed, 0.125 in	157	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.04 in)	• V-0 • 5VA		UL 94

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#### Additional Information

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Data Sheet Applies to Color(s) Listed Below:

Black 1 (1048506)

Brown 1462A (1053068)

Grey 3352 (1135877)

Natural (1036316)

White 1326 (1050308)

White 1328 (1051122)

White 1369 (1056608)

White 1755 (1138516)

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#### Notes

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

<sup>2</sup> Procedure B, 0.250" Conical Dart

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