

# APEX® RM 8002A

Teknor Apex Company - Rigid Polyvinyl Chloride

Thursday, August 29, 2019

## General Information

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Ultra High Toughness		
Uses	• Irrigation Applications		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Injection Molding		

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.37		ASTM D792
Molding Shrinkage - Flow	2.8E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>2</sup>	430000	psi	ASTM D638
Tensile Strength <sup>2</sup> (Break)	7100	psi	ASTM D638
Tensile Elongation (Break)	80	%	ASTM D638
Flexural Modulus <sup>3</sup>	410000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact 73°F, 0.125 in, Compression Molded	2.8	ft-lb/in	ASTM D256
Drop Impact Resistance <sup>4</sup> (73°F)	2.35	in-lb/mil	ASTM D4226
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	81		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Annealed, 0.125 in	156	°F	ASTM D648

### Additional Information

Data Sheet Applies to Color(s) Listed Below:

Black 1 (1091334)  
 Green 1498 (1091329)  
 Grey 2945 (1091498)  
 Tan 2092 (1091332)

### Notes

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

<sup>2</sup> 0.20 in/min

<sup>3</sup> 0.050 in/min

<sup>4</sup> Procedure A, TUP

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