



APEX® RM 8002A

Teknor Apex Company - Rigid Polyvinyl Chloride

General Information

General

Material Status	• Commercial: Active
Availability	- Africa & Middle East - Asia Pacific - Latin America - North America
Features	• Ultra High Toughness
Uses	• Irrigation Applications
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	• Injection Molding

ASTM & ISO Properties ¹

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 ²	430000	psi	ASTM D638
Tensile Strength ² (Break)	7100	psi	ASTM D638
Tensile Elongation (Break)	80	%	ASTM D638
Flexural Modulus ³	410000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
73°F, 0.125 in, Compression Molded	2.8	ft-lb/in	
Drop Impact Resistance ⁴ (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			ASTM D648
264 psi, Annealed, 0.125 in	156	°F	

Additional Information

Expected mold shrink factor:
0.0020 in/in to 0.0050 in/in or
0.20 to 0.50%

Data Sheet Applies to Color(s) Listed Below:

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

10/19 Core