



# APEX® RM 8217

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 Gloss • High Impact Resistance • High Rigidity • Medium Flow
Uses	• Fittings
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 <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.35		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	390000	psi	ASTM D638
Tensile Strength (Break)	6300	psi	ASTM D638
Tensile Elongation (Break)	23	%	ASTM D638
Flexural Modulus	365000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in, Injection Molded)	20	ft-lb/in	ASTM D256
Drop Impact Resistance <sup>2</sup> (73°F, 0.0500 in)	0.0222	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, 0.250 in	154	°F	ASTM D648

### Additional Information

Data Sheet Applies to Colors Listed Below:

- Natural (1082852)
- Black 664 (1083023)
- Black 1 (1143099)
- Green 1490 (1124313)
- Grey 2945 (1130854)
- Grey 3218 (1117273)
- White 1588 (1093248)
- White 1842 (1147485)

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### Notes

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

<sup>2</sup> Procedure A