



APEX® RE 8218A

Teknor Apex Company - Rigid Polyvinyl Chloride

General Information

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Latin America • Asia Pacific • North America
Uses	• Furniture
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 ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.35		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ²	400000	psi	ASTM D638
Tensile Strength (Break)	6500	psi	ASTM D638
Tensile Elongation (Break)	85	%	ASTM D638
Flexural Modulus ³	400000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	18	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec)	82		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Annealed, 0.125 in	158	°F	ASTM D648

Additional Information

Data Sheet Applies to Color(s) Listed Below:
Natural (1090495)

10/19 Core

Notes

¹ Typical properties: these are not to be construed as specifications.

² 0.020 in/min

³ 0.050 in/min