



APEX® RE 9018

Teknor Apex Company - Rigid Polyvinyl Chloride

General Information

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Latin America • Asia Pacific • North America
Features	• Good Weather Resistance • High Impact Resistance
Uses	• Outdoor 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	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.42		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	377000	psi	ASTM D638
Tensile Strength (Break)	6050	psi	ASTM D638
Tensile Elongation (Break)	80	%	ASTM D638
Flexural Modulus	380000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
73°F, 0.125 in, Compression Molded	8.3	ft-lb/in	
Drop Impact Resistance ² (73°F, 0.500 in)	0.0132	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			ASTM D648
264 psi, Annealed, 0.125 in	154	°F	

Additional Information

Data Sheet Applies to Color(s) Listed Below:

Black 1 (1053929)

Natural (1054837)

10/19 Core

Notes

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

² Procedure A