



APEX® RD12A-065

Teknor Apex Company - Rigid Polyvinyl Chloride

General Information

General

Material Status	• Commercial: Active	
Availability	• Africa & Middle East • Asia Pacific	• Latin America • North America
Features	• Flame Retardant	
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.		
Processing Method	• Extrusion	• Sheet Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.38		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	6.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ² (73°F, 0.125 in, Injection Molded)	430000	psi	ASTM D638
Tensile Strength ² (73°F, 0.125 in, Injection Molded)	6790	psi	ASTM D638
Flexural Modulus ³ (73°F, 0.125 in, Injection Molded)	446000	psi	ASTM D790
Flexural Strength ³ Yield, 73°F, 0.125 in, Injection Molded	10900	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Drop Impact Resistance ⁴ 73°F, 0.00295 in, Compression Molded	4.05	in-lb/mil	ASTM D4226
73°F, 1.91 in, Compression Molded	0.995	in-lb/mil	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness Shore D, Instant, 0.250 in, Operating Stand, Compression Molded	81		ASTM D2240
Shore D, 10 sec, 0.250 in, Operating Stand, Compression Molded	78		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Annealed, 0.125 in, Injection Molded	159	°F	ASTM D648

Additional Information

This data sheet applies to item 1159634

3/2025: sp

Notes

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

² Type I, 0.20 in/min

³ Type I, 0.050 in/min

⁴ Procedure B