



APEX® RM 8004

Teknor Apex Company - Rigid Polyvinyl Chloride

General Information

General

Material Status	• Commercial: Active
Availability	- Africa & Middle East - Asia Pacific - Latin America - North America
Features	• Medium Impact Resistance
Uses	- Fittings - Irrigation Applications
Agency Ratings	• NSF STD-61
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.
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.38		ASTM D792
Spiral Flow	22.0	in	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ²	407000	psi	ASTM D638
Tensile Strength ³ (Break)	6720	psi	ASTM D638
Tensile Elongation (Break)	96	%	ASTM D638
Flexural Modulus	419000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 4.92 in, Injection Molded)	3.9	ft-lb/in	ASTM D256
Drop Impact Resistance ⁴ (73°F)	5.06	in-lb/mil	ASTM D4226
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec, Hand Held)	82		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Annealed, 0.125 in	156	°F	ASTM D648

Additional Information

Mold Shrinkage Range 0.0020 to 0.0050 ASTM D-955

Data Sheet applies to colors listed below:

Natural (1054148)
Black 1 (1052785)
Grey 2945 (1080071)

12/20-Imo

Notes

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

² 2.0 in/min

³ 0.020 in/min

⁴ Procedure A, Drop