



# APEX® RE HH 91A

Teknor Apex Company - Rigid Polyvinyl Chloride

## General Information

| General              |                                                                                                                                                                                                                                                                                      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material Status      | <ul style="list-style-type: none"> <li>Commercial: Active</li> </ul>                                                                                                                                                                                                                 |
| Availability         | <ul style="list-style-type: none"> <li>Africa &amp; Middle East</li> <li>Asia Pacific</li> <li>Latin America</li> <li>North America</li> </ul>                                                                                                                                       |
| Features             | <ul style="list-style-type: none"> <li>Good Weather Resistance</li> <li>High Impact Resistance</li> </ul>                                                                                                                                                                            |
| Uses                 | <ul style="list-style-type: none"> <li>Building Materials</li> </ul>                                                                                                                                                                                                                 |
| Regulatory Statement | <ul style="list-style-type: none"> <li>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.</li> </ul> |
| Forms                | <ul style="list-style-type: none"> <li>Pellets</li> </ul>                                                                                                                                                                                                                            |
| Processing Method    | <ul style="list-style-type: none"> <li>Extrusion</li> </ul>                                                                                                                                                                                                                          |

## ASTM & ISO Properties <sup>1</sup>

| Physical                                                           | Nominal Value | Unit     | Test Method |
|--------------------------------------------------------------------|---------------|----------|-------------|
| Density / Specific Gravity                                         | 1.20          |          | ASTM D792   |
| Mechanical                                                         | Nominal Value | Unit     | Test Method |
| Tensile Modulus <sup>2</sup> (73°F)                                | 290000        | psi      | ASTM D638   |
| Tensile Strength <sup>2</sup> (Break, 73°F)                        | 5600          | psi      | ASTM D638   |
| Tensile Elongation <sup>3</sup> (Break, 73°F)                      | 170           | %        | ASTM D638   |
| Impact                                                             | Nominal Value | Unit     | Test Method |
| Notched Izod Impact                                                |               |          | ASTM D256   |
| 73°F, 0.125 in, Compression Molded                                 | 11            | ft·lb/in |             |
| Hardness                                                           | Nominal Value | Unit     | Test Method |
| Durometer Hardness (Shore A, 15 sec, Hand Held)                    | 79            |          | ASTM D2240  |
| Thermal                                                            | Nominal Value | Unit     | Test Method |
| Deflection Temperature Under Load <sup>4</sup> (66 psi, Annealed)  | 197           | °F       | ASTM D648   |
| Deflection Temperature Under Load <sup>5</sup> (264 psi, Annealed) | 191           | °F       | ASTM D648   |

## Additional Information

Data sheet applies to color[s] listed below:

Natural - (1161733)  
Brown 1705 - (1161883)  
Black 1 (1005273)  
Black 856 (1007547)

9/2022:sp  
02/2023-dmm

## Notes

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

<sup>2</sup> 0.20 in/min

<sup>3</sup> 0.020 in/min

<sup>4</sup> 0.125 in bars

<sup>5</sup> 0.125in bars