

# APEX® RM 9012

Rigid Polyvinyl Chloride

Teknor Apex Company

## Message:

APEX® RM 9012 is a Rigid Polyvinyl Chloride material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

| General Information                                            |                  |                   |             |
|----------------------------------------------------------------|------------------|-------------------|-------------|
| Forms                                                          | Pellets          |                   |             |
| Physical                                                       | Nominal Value    | Unit              | Test Method |
| Specific Gravity                                               | 1.46             | g/cm <sup>3</sup> | ASTM D792   |
| Hardness                                                       | Nominal Value    | Unit              | Test Method |
| Durometer Hardness (Shore D, 10 sec)                           | 82               |                   | ASTM D2240  |
| Mechanical                                                     | Nominal Value    | Unit              | Test Method |
| Tensile Modulus <sup>1</sup>                                   | 3190             | MPa               | ASTM D638   |
| Tensile Strength <sup>2</sup> (Break)                          | 43.6             | MPa               | ASTM D638   |
| Tensile Elongation (Break)                                     | 35               | %                 | ASTM D638   |
| Flexural Modulus <sup>3</sup>                                  | 2620             | MPa               | ASTM D790   |
| Impact                                                         | Nominal Value    | Unit              | Test Method |
| Notched Izod Impact (23°C, 3.18 mm, Injection Molded)          | 640              | J/m               | ASTM D256   |
| Drop Impact Resistance <sup>4</sup> (23°C)                     | 111              | J/cm              | ASTM D4226  |
| Thermal                                                        | Nominal Value    | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Annealed, 6.35 mm) | 70.5             | °C                | ASTM D648   |
| NOTE                                                           |                  |                   |             |
| 1.                                                             | 5.1 mm/min       |                   |             |
| 2.                                                             | 5.1 mm/min       |                   |             |
| 3.                                                             | 1.3 mm/min       |                   |             |
| 4.                                                             | Procedure A, TUP |                   |             |

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