



**RAVATECH RO24980A**

**RAVATECH**

**Product Description :** This polar thermoplastic elastomer compound is specifically designed for overmolding with different polar substrates and their blends. RAVATECH® series can be processed with conventional thermoplastics machineries and is fully recyclable.

**Additive Packages :** T / Heat and UV stabilizer  
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**Key Features :** Adhesion to various polar substrates and their blends  
Rubberlike elasticity in a wide temperature range  
Easy colorability with proper MB  
Good chemical and oil resistance

**Process Method :** Injection, multi-injection, co-injection molding

**Uses :** Soft touch grips, handles, consumer goods, home&kitchen appliances, automotive

|                                       | Value   | Unit     | Standard              |
|---------------------------------------|---------|----------|-----------------------|
| <b>Physical</b>                       |         |          |                       |
| Hardness                              | 80      | SHORE A  | ISO 868 (3 second)    |
| Density                               | 1,10    | gr / cm3 | ISO 1183 1-A          |
| <b>Mechanical</b>                     |         |          |                       |
| 100% Modulus                          | 3,2     | Mpa      | ISO 37(S1,500 mm/min) |
| 300% Modulus                          | 5       | Mpa      | ISO 37(S1,500 mm/min) |
| Tensile Strength At Break             | 15      | Mpa      | ISO 37(S1,500 mm/min) |
| Elongation at Break                   | 740     | %        | ISO 37(S1,500 mm/min) |
| Tear Strength (Perpendicular to flow) | 54      | N/mm     | ISO 34-1 Method B     |
| Adhesion to ABS                       | 4 (B)   | N/mm     | VDI 2019              |
| Adhesion to PC                        | 6,8 (B) | N/mm     | VDI 2019              |

**Drying Condition**

Drying Time(hr) 2-3  
Drying Temperature(°C) 60-80

**Molding Condition (°C)**

1st Zone (hopper)(°C) 190 - 200  
2nd Zone(°C) 190 - 210



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|                                    |           |
|------------------------------------|-----------|
| 3rd Zone(°C)                       | 200 - 220 |
| Nozzle(°C)                         | 210 - 220 |
| Melt Temperature(°C)               | 200 - 220 |
| Mold Temperature(°C)               | 30-70     |
| Max Allowable Melt Temperature(°C) | 230       |

