

# ADDILENE H 542

Polypropylene Homopolymer  
ADDIPLAST

Message:

ADDILENE H 542 is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Africa & Middle East, Asia Pacific, Europe, or Latin America.  
Typical applications include:  
Appliances  
Housings

| General Information                               |                      |                   |             |
|---------------------------------------------------|----------------------|-------------------|-------------|
| Features                                          | Antistatic           |                   |             |
| Uses                                              | Appliance Components |                   |             |
|                                                   | Housings             |                   |             |
| Forms                                             | Pellets              |                   |             |
| Physical                                          | Nominal Value        | Unit              | Test Method |
| Density                                           | 0.900                | g/cm <sup>3</sup> | ISO 1183/A  |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)         | 20                   | g/10 min          | ISO 1133    |
| Hardness                                          | Nominal Value        | Unit              | Test Method |
| Shore Hardness (Shore D)                          | 74                   |                   | ISO 868     |
| Mechanical                                        | Nominal Value        | Unit              | Test Method |
| Tensile Stress                                    |                      |                   | ISO 527-2   |
| Yield                                             | 37.0                 | MPa               |             |
| Break                                             | 27.0                 | MPa               |             |
| Tensile Strain (Break)                            | 100                  | %                 | ISO 527-2   |
| Flexural Modulus                                  | 1300                 | MPa               | ISO 178     |
| Impact                                            | Nominal Value        | Unit              | Test Method |
| Charpy Notched Impact Strength                    | 3.0                  | kJ/m <sup>2</sup> | ISO 179/1eA |
| Charpy Unnotched Impact Strength                  | No Break             |                   | ISO 179/1eU |
| Notched Izod Impact Strength                      | 3.5                  | kJ/m <sup>2</sup> | ISO 180/1A  |
| Thermal                                           | Nominal Value        | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 63.0                 | °C                | ISO 75-2/Af |
| Vicat Softening Temperature                       | 153                  | °C                | ISO 306/A50 |
| Melting Temperature (DSC)                         | 165                  | °C                | ISO 3146    |
| Electrical                                        | Nominal Value        | Unit              | Test Method |
| Surface Resistivity                               | 1.0E+14              | ohms              | IEC 60093   |
| Volume Resistivity                                | 1.0E+15              | ohms · cm         | IEC 60093   |
| Comparative Tracking Index (Solution A)           | 600                  | V                 | IEC 60112   |

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