

HIPRENE HT42 (IZOD)

HiPrene® HT42 is a medium melt flow, 20% mineral filled polypropylene compound. This material is high stiffness and it is primarily designed for Home Appliance Parts but is suitable for other parts in automotive industry.

| | Properties | Test condition | Method | Unit | Value |
|------------|--------------------------------------------|----------------|--------------------|-------------------|-----------|
| Impact | Notched Izod Impact Strength | 23°C | ISO 180/A | J/m | 30 |
| Hardness | Rockwell Hardness | R-Scale | ISO 2039-2/R | | 100 |
| Physical | Melt Mass-Flow Rate | | ISO 1133-2/A | g/10min | 12 |
| | Specific Gravity | | ISO 1183 | g/cm ³ | 1,05 |
| Thermal | Temperature of Deflection under Load (HDT) | | ISO 75-2/A | °C | 140 |
| | Volatile Matters | | GS Standard SOP003 | % | max. 0,15 |
| | Ash Content | 600°C | ISO 3451-1/A600°C | % | 20 |
| Mechanical | Tensile Strength | 23° C | ISO 527-2/1A/50 | MPa | min. 34 |
| | Nominal Tensile Strain at Break | 23° C | ISO 527-2/1A/50 | % | 15 |
| | Flexural Modulus | 23°C | ISO 178/B | MPa | 2700 |