

Hanwha Total PP HTB72

Polypropylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

HTB72 is a high crystalline polypropylene that provides superior mechanical properties, including flexural modulus, surface hardness and tensile strength. Their use will also result in reduced product weight.

| General Information | | | |
|---|---------------------------|-------------------|-------------|
| Additive | Antistatic | | |
| Features | Antistatic | | |
| | Crystalline | | |
| | Good Processability | | |
| | Good Weather Resistance | | |
| | High Heat Resistance | | |
| | High Impact Resistance | | |
| | High Stiffness | | |
| | High Tensile Strength | | |
| | Medium Hardness | | |
| | Scratch Resistant | | |
| Uses | Automotive Interior Parts | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.04 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 25 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 1.4 | % | ASTM D955 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 102 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | | | ASTM D638 |
| Yield | 31.4 | MPa | |
| Break | 24.5 | MPa | |
| Tensile Elongation (Break) | 12 | % | ASTM D638 |
| Flexural Modulus | 3140 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | | | ASTM D256 |
| -30°C | 29 | J/m | |
| 23°C | 49 | J/m | |
| Thermal | Nominal Value | Unit | Test Method |

Deflection Temperature Under Load (0.45
MPa, Unannealed)

140

°C

ASTM D648

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

