



COSMOPLENE[®] AX764

CHARACTERISTICS

COSMOPLENE AX764 is a high impact PP copolymer manufactured by gas phase process licensed from Sumitomo Chemical Co. Japan.

COSMOPLENE AX764 is a high flow, high stiffness, high impact copolymer grade which contains anti-static agent.

APPLICATIONS

COSMOPLENE AX764 is specially designed for tub of washing machine and electrical appliances which require super high flow and high impact strength.

PHYSICAL PROPERTIES

| ITEM | UNIT | AX764 | TEST METHOD |
|---------------------------|-------------------|---------|-------------|
| Melt Flow Rate | g/10 min | 50 | ASTM D1238 |
| Density | g/cm ³ | 0.90 | ASTM D792 |
| Tensile Strength at Yield | MPa | 27.5 | ASTM D638 |
| Tensile Strength at Break | MPa | 17.5 | ASTM D638 |
| Elongation at Break | % | 50 | ASTM D638 |
| Flexural Modulus | MPa | 1350 | ASTM D790 |
| Izod Impact (23°C) | J/m | 60 | ASTM D256 |
| (-20°C) | J/m | 37 | ASTM D256 |
| Rockwell Hardness | R scale | 90 | ASTM D785 |
| HDT (0.45MPa) | °C | 122 | ASTM D648 |
| Shrinkage MD/TD (2mm) | % | 1.6/1.7 | TPC METHOD |
| Flammability (E108370) | - | HB | UL 94 |

INJECTION

Cylinder Temp (°C) : 190 - 230
 Mold Temp (°C) : 30
 Clamp Pressure (Kg/cm²) : 100
 Injection Pressure G (Kg/cm²) : 70

- The figures presented are typical laboratory averages, only for reference.
- The information is based on our current knowledge, is subjected to continuous updates and is intended to suggest/ recommend product applications and to provide typical data on the related properties. It should not therefore be construed as guaranteeing any specific property of the product. TPC makes no warranty of any kind, expressed or implied, regarding the accuracy of these data.

