

**Description:**

"Jampilen RP345S" is a polypropylene random copolymer with high fluidity and outstanding transparency and optical properties.

"Jampilen RP345S" is the material of choice for applications where transparency and aesthetics are primary requirements. This grade is designed for injection molding and injection stretch blow molding (ISBM) applications. Thanks to its high fluidity, one can experience reduced cycle times and energy savings compared to conventional grades.

"Jampilen RP345S" is suitable for the packaging of non-oxygen sensitive products; hence, it counts as an effective alternative for PVC and PET in ISBM.

**Processing Method:**

Injection molding  
Injection stretch blow molding

**Features:**

High fluidity  
Excellent Optical properties  
Unspecified antistatic properties  
Suitable organoleptic properties  
Excellent processability and reduced cycle times  
Random Copolymer

**Typical Applications:**

Household containers, housewares  
Packaging for food, cosmetics and pharmaceutical products  
TWIM  
Lids, caps and closures  
Medical sector such as syringes, test tubes and vials  
Sports, leisure and toys  
CD and DVD boxes  
Bottles and containers produced with ISBM

**Approval:**

Food

| <b>TYPICAL PROPERTIES</b>                | <b>VALUE</b> | <b>UNIT</b>       | <b>METHOD</b> |
|--|--------------|-------------------|---------------|
| <b>Physical</b>                          |              |                   |               |
| Melt Flow Rate (230 °C, 2.16kg)          | 40           | g/10min           | ASTM D1238    |
| Density                                  | 0.9          | g/cm <sup>3</sup> | ASTM D1505    |
| <b>Mechanical</b>                        |              |                   |               |
| Flexural Modulus                         | 1100         | MPa               | ASTM D790     |
| Tensile Strength at Yield                | 28           | MPa               | ASTM D638     |
| Tensile Elongation at Yield              | 9            | %                 | ASTM D638     |
| Izod Impact Strength (notched) at 23 °C  | 55           | J/m               | ASTM D256     |
| <b>Thermal</b>                           |              |                   |               |
| Vicat softening point (10N)              | 128          | °C                | ASTM D1525    |
| H.D.T. (0.46 Mpa)                        | 82           | °C                | ASTM D648     |
| Accelerated oven ageing in air at 150 °C | 360          | hours             | ASTM D3012    |
| <b>Optical</b>                           |              |                   |               |
| Haze (1 mm)                              | 11           | %                 | ASTM D1003    |
| Gloss                                    | 90           | ----              | ASTM D2457    |

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