



**Data Sheet** Date Prepared:

# **RANDOM PP R680S**

YUPLENE R680S is propylene random co-polymer designed for high speed extrusion coating produced on T-die extrusion. YUPLENE R680S is especially good for flexable packaging coating.

YUPLENE R680S shows excellent coating processability, adhesive property, mechanical properties and heat resistance properties.

YUPLENE R680S complies with FDA regulation 21 CFR 178.2010 & 177.2600.

### **Application / Use Case**

Extrusion Coating / Coating(food packaging), Lamination (BOPP)

## Characteristics Coating processability, Adhesive, Heat resistance

## **Specification**

|            | Specification | Unit    | <b>Test Method</b> |
|------------|---------------|---------|--------------------|
| Melt Index | 28.0          | g/10min | ASTM D1238         |

#### **Physical Properties**

|                                      | Value | Unit     | Test Method |
|--------------------------------------|-------|----------|-------------|
| Density                              | 0.900 | g/cm³    | ASTM D1505  |
| IZOD Impact Strength (Notched, 23°C) | 14.0  | kg·cm/cm | ASTM D256   |
| Softening Point (Vicat)              | 125   | °C       | ASTM D1525  |
| Tensile Strength at Yield            | 250   | kg/cm²   | ASTM D638   |
| Elongation at Break                  | >500  | %        | ASTM D638   |
| Film Thickness                       | 20    | μm       | SK Method   |
| Flexural Modulus                     | 10000 | kg/cm²   | ASTM D790   |
| Hardness(Rockwell)                   | 78    | R Scale  | ASTM D785   |

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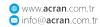














| Gloss(45°)                  | 50 | %  | ASTM D2457 |
|-----------------------------|----|----|------------|
| Heat Distortion Temperature | 85 | °C | ASTM D648  |

These are typical properties only, and are not to be construed as specific limits.



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