

# Globalene® ST611M

Polypropylene Random Copolymer  
Lee Chang Yung Chemical Industry Corp.

Message:

Globalene® ST611M is a Polypropylene Random Copolymer (PP Random Copolymer) material. It is available in Asia Pacific or North America for blow molding, injection stretch blow molding, or sheet extrusion.  
Important attributes of Globalene® ST611M are:  
Clarity  
Copolymer  
Impact Resistant  
Typical applications include:  
Bottles  
Sheet

| General Information                       |                                   |                   |             |
|---|-----------------------------------|-------------------|-------------|
| Features                                  | Excellent Printability            |                   |             |
|   | High Clarity                      |                   |             |
|   | Low Temperature Impact Resistance |                   |             |
|   | Random Copolymer                  |                   |             |
| Uses                                      | Bottles                           |                   |             |
|   | Sheet                             |                   |             |
| Forms                                     | Pellets                           |                   |             |
| Processing Method                         | Blow Molding                      |                   |             |
|   | Injection Stretch Blow Molding    |                   |             |
|   | Sheet Extrusion                   |                   |             |
| Physical                                  | Nominal Value                     | Unit              | Test Method |
| Specific Gravity                          | 0.896                             | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 1.8                               | g/10 min          | ASTM D1238  |
| Molding Shrinkage - Flow                  | 1.7                               | %                 | ASTM D955   |
| Hardness                                  | Nominal Value                     | Unit              | Test Method |
| Rockwell Hardness (R-Scale)               | 83                                |                   | ASTM D785   |
| Mechanical                                | Nominal Value                     | Unit              | Test Method |
| Tensile Strength (Yield)                  | 28.4                              | MPa               | ASTM D638   |
| Tensile Elongation (Yield)                | 13                                | %                 | ASTM D638   |
| Flexural Modulus                          | 1040                              | MPa               | ASTM D790   |
| Impact                                    | Nominal Value                     | Unit              | Test Method |
| Notched Izod Impact (23°C)                | 43                                | J/m               | ASTM D256   |
| Thermal                                   | Nominal Value                     | Unit              | Test Method |
| Heat Deflection Temperature               | 79                                | °C                | ASTM D648   |

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