

# TAISOX 3490

Linear Low Density Polyethylene  
Formosa Plastics Corporation

Message:

TAISOX 3490 is a Linear Low Density Polyethylene material. It is available in Asia Pacific, Europe, or North America for injection molding.  
Important attributes of TAISOX 3490 are:  
Fast Molding Cycle  
High Flow  
Typical applications include:  
Containers  
Caps/Lids/Closures  
Household Applications

| General Information                       |                        |                   |             |
|---|------------------------|-------------------|-------------|
| Features                                  | Fast Molding Cycle     |                   |             |
|   | High Flow              |                   |             |
|   | Low Density            |                   |             |
|   | Soft                   |                   |             |
| Uses                                      | Food Containers        |                   |             |
|   | Household Goods        |                   |             |
|   | Lids                   |                   |             |
|   | Thin-walled Containers |                   |             |
| Forms                                     | Pellets                |                   |             |
| Processing Method                         | Injection Molding      |                   |             |
| Physical                                  | Nominal Value          | Unit              | Test Method |
| Density                                   | 0.926                  | g/cm <sup>3</sup> | ASTM D1505  |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 50                     | g/10 min          | ASTM D1238  |
| Hardness                                  | Nominal Value          | Unit              | Test Method |
| Durometer Hardness (Shore D)              | 50                     |                   | ASTM D2240  |
| Mechanical                                | Nominal Value          | Unit              | Test Method |
| Tensile Strength (Yield)                  | 11.8                   | MPa               | ASTM D638   |
| Tensile Elongation (Break)                | 350                    | %                 | ASTM D638   |
| Thermal                                   | Nominal Value          | Unit              | Test Method |
| Brittleness Temperature                   | -70.0                  | °C                | ASTM D746   |
| Vicat Softening Temperature               | 95.0                   | °C                | ASTM D1525  |
| Melting Temperature                       | 124                    | °C                |             |
| Injection                                 | Nominal Value          | Unit              |             |
| Processing (Melt) Temp                    | 170 to 190             | °C                |             |

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