

The Leader of Specialty Chemicals. Thai Mitsui Specialty Chemicals Co., Ltd.



General Purpose

Ortho phthalic type

| Trade Name | Scope | Appearance | Gel time (minutes) | Viscosity (P) | Application and Properties |
|---------------|--|---------------------------|-----------------------|------------------|--|
| ESTAR R135NNN | Non-Thixotropic Non - Promoted Non - wax resin | Clear, Slightly yellow | 7 – 11 | 16 – 25 | Well suited for hand lay up, spray up. Septic tanks, general tanks. |

| Trade Name | Scope | Appearance | Gel time (minutes) | Viscosity (P) | Application and Properties |
|---------------|--|-----------------------------|-----------------------|------------------|---|
| ESTAR R235TPN | Thixotropic Promoted Non - wax resin | Cloudy reddish purple | 20 - 45 | 2 - 5 | Well suited for hand lay up, spray up. Septic tanks, general tanks, cooling towers, Boat, general FRP products. |

| Trade Name | Scope | Appearance | Gel time (minutes) | Viscosity (P) | Application and Properties |
|---------------|--------------------------------------|-----------------------------|-----------------------|------------------|---|
| ESTAR R235TPW | Thixotropic Promoted wax resin | Cloudy reddish purple | 20 – 45 | 2-5 | Well suited for hand lay up, spray up. Septic tanks, general tanks, cooling towers, Boat, general FRP products. |
| | | | | | |
| Trade Name | Scope | Appearance | Gel time (minutes) | Viscosity (P) | Application and Properties |



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General Purpose

Ortho phthalic type

| Trade Name | Scope | Appearance | Gel time (minutes) | Viscosity (P) | Application and Properties |
|----------------|---|-----------------------------|-----------------------|------------------|---|
| ESTAR R128NNN | Non -Thixotropic Non - Promoted Non - wax resin | Clear, Yollowish | 5 – 8 | 4 – 8 | Well suited for hand lay up, spray up. Septic tanks, general tanks, cooling towers, |
| Trade Name | Scope | Appearance | Gel time (minutes) | Viscosity (P) | Application and Properties |
| ESTAR RF225TPN | Thixotropic Promoted Non - wax resin | Cloudy reddish purple | 15 – 25 | 5 – 7 | Well suited for hand lay up, spray up. Septic tanks, general tanks, cooling towers, |
| Trade Name | Scope | Appearance | Gel time (minutes) | Viscosity (P) | Application and Properties |
| ESTAR C315 | Non - Thixotropic Promoted Non - wax resin | Slightly reddish | 20 – 40 | 13 – 17 | Well suited for artificial marble casting. Usually casting compound is mixed 150 – 250 Phr filler as aluminium hydroxide, calcium carbonate. |
| Trade Name | Scope | Appearance | Gel time (minutes) | Viscosity (P) | Application and Properties |
| ESTAR R336HV | Thixotropic Non - Promoted Non - wax resin | Cloudy white | 20 - 30 | 18 – 22 | - Well suited for acrylic bath back up resin. |





Excellent property of heat and hot water resistance

| Iso phthalate type | | | | | |
|--------------------|---|-----------------------------|-----------------------|------------------|---|
| Trade Name | Scope | Appearance | Gel time (minutes) | Viscosity (P) | Application and Properties |
| ESTAR R289TPN | Thixotropic Promoted Non - wax resin | Cloudy reddish purple | 20 – 45 | 3 – 5 | Corrosion resistance tanks, duct, pipes and lining. |
| Trade Name | Scope | Appearance | Gel time (minutes) | Viscosity (P) | Application and Properties |
| ESTAR R295T | Non -Thixotropic Non - Promoted Non - wax resin | Clear, slightly yellow | 10 – 25 | 3 – 7 | Corrosion resistance tanks, duct, pipes and lining. |





Excellent property of heat and hot water resistance

Bisphenol type

| Trade Name | Scope | Appearance | Gel time (minutes) | Viscosity (P) | Application and Properties |
|-------------|--|-------------|-----------------------|------------------|--|
| ESTAR R2110 | Thixotropic Non - Promoted Non - wax resin | Transparent | 30 – 65 | 4 - 7 | Corrosion resistance tanks, duct, pipes and lining. This is a three pot resin, so when you apply this resin, it is necessary to add and mix A. promoter like cobalt naphthenate B.auxiliary accelerator like EP65 C. Catalyst like MEKPO |

Vinyl ester type

| Trade Name | Scope | Appearance | Gel time (minutes) | Viscosity (P) | Application and Properties |
|--------------|--|------------|-----------------------|--|----------------------------|
| ESTAR H6650T | ThixotropicYellowishH6650TNon Promoted | 20 – 40 | - | Used for application in which process oxidation or alkali exposure includes. | |
| LSTAN HOUSOT | Non - wax resin | Brown | | | exposure includes. |





Bulk Molding Compound based on Unsaturated polyester resin.

Prominate BM-ST610CT

| Shrinkage | Gel Time (Sec.) | Cure Time (Sec.) | Spiral flow | Bacol Hardness | Bending modulus | Application |
|---------------|--------------------|---------------------|-------------|-------------------|--------------------|--|
| -0.03 - +0.09 | 15 – 23 | 19 – 30 | 200 – 400 | 45 – 65 | 12.7 – 14.7 | - Prominate BM-ST610CT has been optimized for injection moldinf of headlamp reflector. |