

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	<ul> <li>Well suited for hand lay up, spray up.</li> <li>Septic tanks, general tanks.</li> </ul>

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	<ul> <li>Well suited for hand lay up, spray up.</li> <li>Septic tanks, general tanks, cooling towers,</li> <li>Boat, general FRP products.</li> </ul>

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	<ul> <li>Well suited for hand lay up, spray up.</li> <li>Septic tanks, general tanks, cooling towers,</li> <li>Boat, general FRP products.</li> </ul>
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	<ul> <li>Well suited for hand lay up, spray up.</li> <li>Septic tanks, general tanks, cooling towers,</li> </ul>
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	<ul> <li>Well suited for hand lay up, spray up.</li> <li>Septic tanks, general tanks, cooling towers,</li> </ul>
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	<ul> <li>Well suited for artificial marble casting.</li> <li>Usually casting compound is mixed 150 – 250 Phr filler as aluminium hydroxide, calcium carbonate.</li> </ul>
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	<ul> <li>Corrosion resistance tanks, duct, pipes and lining.</li> <li>This is a three pot resin, so when you apply this resin, it is necessary to add and mix</li> <li>A. promoter like cobalt naphthenate</li> <li>B.auxiliary accelerator like EP65</li> <li>C. Catalyst like MEKPO</li> </ul>

#### Vinyl ester type

Trade Name	Scope	Appearance	Gel time (minutes)	Viscosity (P)	Application and Properties
ESTAR H6650T	ThixotropicYellowishH6650TNon Promoted	20 – 40	-	<ul> <li>Used for application in which process oxidation or alkali exposure includes.</li> </ul>	
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.