

## GENERAL LAMINATION (HAND LAY-UP / SPRAY-UP)

NAME POLYHOPE <sup>®</sup>	APPLICATION	VISCOSITY (mPa·s / 25°C)	GEL TIME (min / 25°C)	PROMOTER	THIXOTROPY	PARAFFIN WAX	SEASON TYPE	FEATURE
R100NP	Boat, general purpose	250-550	10-50	○	○	-	○	Low exotherm, thick laminates
R100AP	General purpose	250-550	10-50	○	○	○	○	Low exotherm, thick laminates
R150NP	Boat, general purpose	200-500	10-50	○	○	-	○	Low styrene content
R150AP	General purpose	200-500	10-50	○	○	○	○	Low styrene content
R200NP	General purpose	200-500	5-45	○	○	-	○	Fast cure, thin laminates
R200AP	General purpose	200-500	5-45	○	○	○	○	Fast cure, thin laminates
R300NP	Boat, general purpose	250-550	10-55	○	○	-	○	Low profile, low styrene content

55%MEKPO : 1.0 %

## FRP LINING

NAME POLYHOPE <sup>®</sup>	APPLICATION	VISCOSITY (mPa·s / 25°C)	GEL TIME (min / 25°C)	PROMOTER	THIXOTROPY	PARAFFIN WAX	SEASON TYPE	FEATURE
WP260N	Lining	400-700	9-42	○	○	○	○	Flexibility, workability, water resistance, JASS 8 approval
N-5553	Lining	240-550	10-48	○	-	○	○	Flexibility, workability, water resistance, JASS 8 approval

55%MEKPO : 1.0 %

## CHEMICAL RESISTANCE (POLYHOPE<sup>®</sup>)

NAME POLYHOPE <sup>®</sup>	APPLICATION	VISCOSITY (mPa·s / 25°C)	GEL TIME (min / 25°C)	PROMOTER	THIXOTROPY	PARAFFIN WAX	SEASON TYPE	FEATURE
N-350PT	Acid resistance	350-600	15-45 <sup>*1</sup>	○	○	-	○	Isophthalic UPR
N-33PT	Acid resistance	400-700	20-50 <sup>*1</sup>	○	○	-	○	Hot water resistance
R2110	Acid/Alkali resistance	550	10 <sup>*2</sup>	-	-	-	-	Bisphenol A UPR

\*1 55%MEKPO : 1.0 %

\*2 8%Co-Oct / 55%MEKPO : 0.38/1.0 %

## CHEMICAL RESISTANCE (PROMINATE®)

NAME PROMINATE®	APPLICATION	VISCOSITY (mPa·s / 25°C)	GEL TIME (min / 25°C)	PROMOTER	THIXOTROPY	PARAFFIN WAX	SEASON TYPE	FEATURE
P-991	Acid resistance	350	45 <sup>*1</sup>	-	-	-	-	Special type resin
H6600	Acid/Alkali resistance	180	25 <sup>*1</sup>	-	-	-	-	Bisphenol A VE
H6650P	Acid/Alkali resistance	100-600	18-65 <sup>*2</sup>	O	-	-	O	Bisphenol A VE
H3700NP	Acid/Alkali resistance	350-700	10-75 <sup>*2</sup>	O	O	-	O	Bisphenol A VE
H8100	Acid resistance, heat resistance	550	25 <sup>*1</sup>	-	-	-	-	Novolac VE

\*1 8%Co-Oct / 55%MEKPO : 0.38/1.0 %

\*2 55%MEKPO : 1.0 %

## SMC/BMC

NAME POLYHOPE®	APPLICATION	VISCOSITY (mPa·s / 25°C)	GEL TIME (min / 80°C)	PROMOTER	THIXOTROPY	PARAFFIN WAX	SEASON TYPE	FEATURE
5604	Automotive, general purpose	1200	4 <sup>*1</sup>	-	-	-	-	High reactivity
6409	Septic tank, water tank panel	700	4 <sup>*1</sup>	-	-	-	-	Water resistance
6619	Bathtub	1350	5 <sup>*1</sup>	-	-	-	-	Hot water resistance
SD-4200	Bathtub	550	1.7 <sup>*2</sup>	-	-	-	-	Hot water resistance
ML3600	Bathtub, general purpose	500	5 <sup>*1</sup>	-	-	-	-	Hot water resistance
9305Z	Bathtub, artificial marble	600	6 <sup>*1</sup>	-	-	-	-	Hot water resistance, chemical resistance, high gloss

\*1 BPO : 1.0 %

\*2 120°C, TBPB : 1.0 %

## LOW PROFILE ADDITIVES for SMC/BMC

NAME POLYHOPE®	APPLICATION	VISCOSITY (mPa·s / 25°C)	GEL TIME (min / 80°C)	PROMOTER	THIXOTROPY	PARAFFIN WAX	SEASON TYPE	FEATURE
9965	Bathtub, general purpose	2800	-	-	-	-	-	Water resistance
9968	Bathtub, general purpose	2000	-	-	-	-	-	Water resistance, pigmentability
9966	Automotive, general purpose	3750	-	-	-	-	-	Low profile

## RESIN INJECTION (RTM)

NAME POLYHOPE®	APPLICATION	VISCOSITY (mPa·s / 25°C)	GEL TIME (min / 25°C)	PROMOTER	THIXOTROPY	PARAFFIN WAX	SEASON TYPE	FEATURE
G-157MB	General purpose	80	14	O	-	O	-	Low viscosity, low profile, crack resistance

AAPO : 1.0 %

## CONTINUOUS LAMINATION

NAME POLYHOPE®	APPLICATION	VISCOSITY (mPa·s / 25°C)	GEL TIME (min / 25°C)	PROMOTER	THIXOTROPY	PARAFFIN WAX	SEASON TYPE	FEATURE
7405	Corrugated panel, flat panel	500	12	-	-	-	-	Translucency, fire resistance (Oxygen index:29)
S9800	Corrugated panel, flat panel	400	24	-	-	-	-	High fire resistance (Oxygen index:40)

8%Co-Oct/55%MEKPO : 0.38/1.0 %

## FILAMENT WINDING

NAME POLYHOPE®	APPLICATION	VISCOSITY (mPa·s / 25°C)	GEL TIME (min / 25°C)	PROMOTER	THIXOTROPY	PARAFFIN WAX	SEASON TYPE	FEATURE
6339	General purpose	500	18	-	-	-	-	Water resistance, crack resistance
6702	General purpose	1500	14	-	-	-	-	Hot water resistance, chemical resistance

8%Co-Oct/55%MEKPO : 0.38/1.0 %

## PULTRUSION

NAME POLYHOPE®	APPLICATION	VISCOSITY (mPa·s / 25°C)	GEL TIME (min / 80°C)	PROMOTER	THIXOTROPY	PARAFFIN WAX	SEASON TYPE	FEATURE
G-105	General purpose	500	4.5 <sup>*1</sup>	-	-	-	-	Medium reactivity Orthphthalic
G-151L	General purpose	750	4 <sup>*1</sup>	-	-	-	-	Medium reactivity, medium temp.cure
SD-4200	Heat resistant applications	550	1.7 <sup>*2</sup>	-	-	-	-	High reactivity, heat resistance
N-350L	Heat resistant applications	400	14 <sup>*3</sup>	-	-	-	-	High reactivity, heat resistance
R-280	Chemical tank	500	10 <sup>*3</sup>	-	-	-	-	Chemical resistance

\*1 80°C, BPO : 1.0 %

\*2 120°C, TBPB : 1.0 %

\*3 25°C, 8%Co-Oct/55%MEKPO : 0.38/1.0 %

## GELCOAT RESINS

NAME POLYHOPE®	APPLICATION	VISCOSITY (mPa·s / 25°C)	GEL TIME (min / 25°C)	PROMOTER	THIXOTROPY	PARAFFIN WAX	SEASON TYPE	FEATURE
6339	Boat, general purpose	500	18	-	-	-	-	Water resistance, crack resistance
N-370L	Boat, general purpose	350	7	-	-	-	-	Water resistance, weatherability
N-325	Floor pan	1100	10	-	-	-	-	Water resistance, crack resistance, weatherability
6315	Counter, bathtub	550	11	-	-	-	-	Hot water resistance, weatherability, crack resistance
XP-380-1	Bathtub, artificial marble	500	8	-	-	-	-	Hot water resistance, heat resistance

8%Co-Oct/55%MEKPO : 0.38/1.0 %

## POLYMER CONCRETE

NAME POLYHOPE®	APPLICATION	VISCOSITY (mPa·s / 25°C)	GEL TIME (min / 25°C)	PROMOTER	THIXOTROPY	PARAFFIN WAX	SEASON TYPE	FEATURE
G-105	General purpose	500	4	-	-	-	-	Fast cure
3308	General purpose	450	10	-	-	-	-	General purpose
RHF-1077M	General purpose	600	10	-	-	-	-	Crack resistance
AT-100	Low profile additive	1200	-	-	-	-	-	General purpose, water resistance

8%Co-Oct/55%MEKPO : 0.38/1.0 %

## CASTING

NAME POLYHOPE®	APPLICATION	VISCOSITY (mPa·s / 25°C)	GEL TIME (min / 25°C)	PROMOTER	THIXOTROPY	PARAFFIN WAX	SEASON TYPE	FEATURE
G-226	General purpose	950	25 <sup>*1</sup>	-	-	-	-	Low color, low exotherm
G-227K	General purpose	520	25 <sup>*1</sup>	-	-	-	-	Low color
6315	Bathtub	550	15 <sup>*2</sup>	-	-	-	-	Hot water resistance, crack resistance

\*1 Promoter KN (special promoter) / 55%MEKPO : 1.0/1.0 %

\*2 8%Co-Oct / 55%MEKPO : 0.38/1.0 %

## BUTTON

NAME POLYHOPE®	APPLICATION	VISCOSITY (mPa·s / 25°C)	GEL TIME (min / 25°C)	PROMOTER	THIXOTROPY	PARAFFIN WAX	SEASON TYPE	FEATURE
G-405YB	General purpose	1900	6	-	-	-	-	Centrifugal molding, thick buttons
G-465YB	Thick buttons	2200	8	-	-	-	-	Cast molding, thick buttons
G-335MY	Thin buttons	1300	5.5	-	-	-	-	Centrifugal molding, thin buttons

Promoter KN (special promoter) / 55%MEKPO : 1.0/1.0 %

## DECORATIVE PANEL (PLYWOOD)

NAME POLYHOPE®	APPLICATION	VISCOSITY (mPa·s / 25°C)	GEL TIME (min / 25°C)	PROMOTER	THIXOTROPY	PARAFFIN WAX	SEASON TYPE	FEATURE
D2302AP	Film molding	200-400	2.2-4.4	○	-	○	○	Low odor, thin film curability

55%MEKPO : 1.0 %

## FLEXIBLE RESINS

NAME POLYHOPE®	APPLICATION	VISCOSITY (mPa·s / 25°C)	GEL TIME (min / 25°C)	PROMOTER	THIXOTROPY	PARAFFIN WAX	SEASON TYPE	FEATURE
F3041	Adhesive for plywood	750	16 <sup>*1</sup>	○	○	-	-	Orthphthalic Elongation:30%
WP3601	Modifier, putty	770	8 <sup>*2</sup>	-	-	-	-	Isophthalic Elongation:50%
6320F	Modifier, putty	500	13 <sup>*2</sup>	-	-	-	-	Isophthalic Elongation:38%

\*1 55%MEKPO:1.0 %

\*2 8%Co-Oct / 55%MEKPO :0.38/1.0 %

## ADDITIVES

NAME POLYHOPE®	APPLICATION	FEATURE
8% Cobalt Octanoate	Promoter	8% Cobalt Octanoate solution
Promoter KD	Promoter	Low color casting
10% DMA	Co-promoter	10% N, N-Dimethylaniline solution
Inhibitor 1% solution	Inhibitor	1% P-TBC solution
Inhibitor 10% solution	Inhibitor	10% P-TBC solution
Paraffin solution	Paraffin wax	5% paraffin solution