

K535X

K535X is a thixotropic, promoted, non-waxed, TPA-type resin for hand lay-up and/or spray-up application, for mouldings with demands on mechanical properties and on chemical resistance.

PERFORMANCE

- 1.high mechanical strength.
- 2.good chemical resistance.

PROPERTIES OF LIQUID RESIN

Styrene Content, %	43 ~ 46
Acid Value, mgKOH/g	10 ~ 15
Viscosity, cps, Brookfield [No.3/60rpm at 25°C]	500 ~ 600
Gel Time, min at 25°C, 1%MEKPO(50%)	20 ~ 25(Win) 30 ~ 40(Sum)
Thixotropic Index	2.6 ~ 3.5
ICI Value at 25	2.0 ~ 2.6

PROPERTIES OF UNFILLED CASTING RESIN

Barcol Hardness, GYZJ 934-1	45
Heat Distortion Temperature, °C (ISO-75 1.81Mpa)	85
Water Absorption, mg, ISO-62 x 24 hrs	10

MECHANICAL PROPERTIES

	Unfilled Casting	Chopped strand laminate with <u>30%glass fibre</u>
Tensile Strength,MPa	55	120

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Flexural Strength,MPa	130	240
Flexural Modulus,MPa	4500	7800
Elongation at break,%	3.0	

STORAGE STABILITY

The storage life in drums at room temperatures is three months. Storage life decreases with increasing temperature. Avoid exposure to heat sources such as direct sunlight or steam pipes. Keep containers sealed to prevent monomer loss and moisture pick-up.

PACKING

20 kg net., 200 kg net., 220 kg net., 225 kg net.