

POLYESTER -POLYURETHANE FOOTWEAR SYSTEM

Material name :XC-2088B/XC-6230T

Characteristic: Good handle, low density and good dimension stability

Application : middle sole, insole



Name of products	Appearance	Viscosity (mPa • s/40℃)	Density (g • cm ⁻³ /40℃)	Package(kg)
XC-2088B(POL)	cream white liquid	800~1200	1.01~1.02	210
XC-6230T(ISO)	Yellowish transparent liquid	600~800	1.08~1.2	225

Typical processing parameters & Reaction parameter

Items	A/B Materials Temperatures (℃)	A/B Mix ratio (By weight)	Cream Time (s)	End of Rise Time (s)	Free Rise Foam Density(g/cm ³)	Mold Temperature(℃)	Demold Time(min)
Parameter	40~45/38~42	100/80-85	6~7	40~50	0.2-0.22	45~55	3-4

FORMULA:

+Catalyst XC-2:3.0-3.5kgs

+Water:450-500gram

+Hardner XC-100:4.0-5.0kgs

Molded shoe sole physical properties

Items	Molded Density (g/cm ³)	Hardness (Shore A)	Tensile strength (MPa)	Elongation (%)	Tear Strength (kN/m)	Ross Flexing (room temperature)
Physical properties	0.38~0.4	30~50	4.0~5.5	300~400	15~23	40,000times no crack

*Demold time may be prolonged with the increase of sole thickness

*These physical data are acquired by testing a sample of 6mm thick.

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