

“SISTEMA PU” TECHNICAL DATA SHEET

Material name :XC-6002C/XC-8280

Characteristic: high strength, good abrasion resistance and skid resistance.

Application : Double density safety shoes and casual shoes.



Safety shoes

Name of products	Appearance	Viscosity (mPa · s/40°C)	Density (g · cm-3/40°C)	Package (kg)
XC-6002C (A)	liquid	1000~1400	1.01~1.02	210
XC-8280 (B)	Yellowish transparent liquid	600~1000	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/cm3)		Mold Temperature (°C)	Demold Time (min)
		Outsole	Midsole			Sole	Midsole		
Parameter	40~45/40~45	100/74~75	100/81-83	6 ~8	40 ~50	0.45 ~0.5	0.25 ~0.27	45~55	3~5

Molded shoe sole physical properties

Item	Molded Density 8g/cm3		Hardness (shore A)		Tensile strength		Sole abrasion		Peel strength (KN/m)	Flexing Resistance
	outsole	insole	outsole	insole	outsole	insole	SD<250	DD<15		
Phycal Properties	0.9~1.1	0.45~0.55	50~60	38~50	9~12	5~9	800-100	30-45	≥ 4.0	100,000 times 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.