XUCHUAN CHEMICAL (SUZHOU) CO., LTD
Xie Xin Road, Taicang Port Development Zone, Taicang China

POLYESTER -POLYURETHANE FOOTWEAR SYSTEM

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℃)	Density (g • cm^{-3}/40℃)	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 (℃)	Demold Time(min)
Parameter	40~45/40~45	outsole	midsole	6~8	40~50	sole	midsole	45~55	3~5
		100/74~75	100/81-83			0.45~0.5	0.25~0.27		

Molded shoe sole physical properties

Items	Molded Density (g/cm3)		Hardness (Shore A)		Tensile strength (MPa)		Sole abrasion		Peel strength(KN/m)	Flexing Resistance
Physical properties	outsole	insole	outsole	Insole	outsole	insole	SD<250 mm3	DD<15 0m3	≧4.0	100,000times no crack
	0.9~1.1	0.45~0.55	50~60	38~50	9~12	5~9	80-100	30-45		

***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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