



MT400

mayanate4880/Mpoly400/mayacat2

Charatterization: Three component polyurethane system for shoe sole

1. Rawmterial

item	name	substance	KGS	drum
1	Mpoly400	polyol mixture	220	blue
2	mayanate4880	polyurethane prepolymer	240	red
3	mayacat2	Amine cataylst	6/6	gray

2. main use

Soft type casual& sandal, midsole of dual sole

3. Specification

Raw material	mayanate4880	Mpoly400
Appearance	Transparent	Semitransparent
Melting point (80 °C)	24 hrs(winter) 12 hrs summer	12 hrs
Viscosity at working temperature (mPa.s)	1500±400	400± 50
working temperature (°C)	30-35	40-45
Specific gravity at work tepmerature (g/cm3)	1/18	1/15
Mixing ratio (pp)	82± 2	100

4. reaction characteristics

Cream time (s)	9±2
Tack free time (s)	27±2
Free rise density(kg/m3)	240±10
Demolding time (s)	220±10



MT400

mayanate4880/Mpoly400/mayacat2

5. Physical properties

Item	result	unit	Method
Recommended density	500±50	kg/m3	ISO 845
Hardness	50±5	ShA	DIN ISO 7619-1
Elongation	370±20	%	DIN53504
flexural Strength (25 °C)	>200000		TE EN ISO 4649
Abrasion resistance	<200	mm3	DIN ISO 4649