



MIL

mayanate6880/Mpoly600/mayacat1

Charatterization: Three component polyurethane system for shoe sole

1Rawmterial

item	name	substance	KGS	drum
1	Mpoly600	polyol mixture	220	blue
2	mayanate6880	polyurethane prepolymer	240	red
3	mayacat1	Amine cataylst	6/4	gray

2. main use

Soft type casual & sandal, midsole of dual sole

3.Specification

Rawmaterial	mayanate 6880	Mpoly600
Appearance	Transparent	Semitransparent
Melting point (80 °C)	24 hrs(winter) 12 hrs summer	12 hrs
Viscosity at working temperature (mPa.s)	400±50	1200±300
working temperature (°C)	30-35	40-45
Specific gravity at work tepmerature (g/cm3)	1/18	1/15
Mixing ratio (pp)	100± 2	100

4. reaction characteristics

Cream time (s)	9±2
Tack free time (s)	27±2
Free rise density(kg/m3)	230±10
Demolding time (s)	220±10



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5. Physical properties

Item	result	unit	Method
Recommended density	450±50	kg/m3	ISO 845
Hardness	55±5	ShA	DIN ISO 7619-1
Elongation	300±20	%	DIN53504
flexural Strength (25 °C)	>150000		TE EN ISO 4649
Abrasion resistance	<220	mm3	DIN ISO 4649