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Technical date sheet

Hot-Melt Raised Yellow Road Marking Paint

Test item	technical index				testing result	Single-item determination		
Density,g/cm	1.8~2.3				2	PASS		
Softening point, °C	≥100				125	PASS		
Coating appearance	After drying, there should be no wrinkles, spots, blisters, cracks, peeling or stuck-together phenomena.				nothing abnormal detected	PASS		
Non-stick tire drying time,min	≤3				3	PASS		
Color performance	Anti-reflection material - yellow	chromaticity coordinate	1	2	3	4	x=0.477 y=0.464	PASS
		x	0.545	0.487	0.427	0.465		
		y	0.454	0.423	0.483	0.534		
		The test results should fall within the range of the graph composed of the above four points (standard illuminant D ₆₅ , lighting observation condition 45/0, field of view angle 2°)						
		Brightness factor>0.27		0.51	PASS			
compressive strength ,MPa	At 23°C±1°C: ≥12 At 50°C±2°C: ≥2				19 (23°C±1°C) 4 (50°C±2°C)	PASS		
water resisting property	There should be no abnormal phenomena after being immersed in water for 24 hours.				nothing abnormal detected	PASS		
alkali resistance	After being immersed in the saturated calcium hydroxide solution for 24 hours, no abnormal phenomena were observed.				nothing abnormal detected	PASS		
glass beads content,%	18~25				24	PASS		
Low-temperature crack resistance of the coating	Keep at -10°C for 4 hours and at room temperature for 4 hours as one cycle. After three consecutive cycles, there should be no cracks				nothing abnormal detected	PASS		
Heating stability	When kept at 200°C to 220°C under stirring for 4 hours, there should be no obvious yellowing, caramelization or caking				nothing abnormal detected	PASS		