

Technical Data of Tesa Laser Label 6930

Label composition	two layes acrylic Laser film		
Phisical Data			
Thickness	fil and adhesive material	118 µm	
Quantity of adhesive material		25g/m ²	
Weight of fil		110g/m ²	
Resistance of the glue		3,3N/cm	
Inner stability	as of DIN 30646	without limit	
Strenght of glue on			
Steel	This cannot be measured exactly considering the fragibility of the support. On a dry and degreased surface the labels cannot be removed without self-destruction	30 N / 25mm	
Aluminium		30 N / 25mm	
Polipropilene		10 N / 25mm	
Polietilene		14 N / 25mm	
Policarbonato		25 N / 25mm	
ABS		28 N / 25mm	
PVC		28 N / 25mm	
Thermal Stability on Aluminium	-50°C until 200°C 250°C (48 hours no variation) 270°C (15 minutes no visibile variation)		
Resistance against atmospheric influence	as DIN 53387	2000 hours, corresponding to 4-5 years, without variation	
Resistance against climatic influence	as DIN 50017 SWF and DIN 50016 SWF 2, 0S		
Saline spray test	as SS DIN 50021, 240h/5% at 35°C no variation		
Resistance against the friction of the laser-marking	friction-test Tabor / Abraser CS 10,5 N/wheel 300 cycles	no variation	
Resistance against chemical substances	distilled water	65°C, 300 hours	
	95% relative humidity	+ 38°C, 168 hours	
	motor-oil SAE 20	+ 23°C, 250 hours	
	petrol test 60/95	+ 23°C, 0,5 hour	
	solution of caustic soda	10%, 200 hours	
	sulforic acid	30%, 300 hours	
	transformer oil	+ 23°C, 250 hours	
Inflameability	US 302	once applied on surface, it is autoextinguishing	
Surface resistance	as of VDE 0303, T.2	>10 ¹¹ , not conductive	
Dielectric rigidity	as of VDE 0303, T.2	480kV _{eff} / cm	
	as of VDE 0303, T.2	5kV _{eff} / cm	
Resistance against corrosion	as of VDE 0340, T.2, IEC 454.2	glue and fil not corrosive	
UL / CSA list	MH 18055 / 112693 L 000		