Optical Data Sheet KHF-7AH

SUMITOMO METAL MINING

IR-Shielding Dispersion Liquid / Grade : KHF-7AH

<Composition>

Material	wt%
Lanthanum hexaboride	3.3
Toluene /Others	96.7

Optical measurement procedure

<Preparation of coating solution>

Material	pts.wt
KHF-7AH	100
UV-setting resin(oligomer 100%)	100
Toluene	200

<PET films coating>
Coating method : Wire-bar coating
Substrate : 50 μm thick PET films
Drying : 70℃, 60 sec.
UV illumination : High pressure mercury lamp, UV Intensity 110 mW/cm², Belt speed 3 m/min., Total UV energy 259 mJ/cm²

Optical properties

Bar No.	UVT/%	VLT/%	ST/%	L*	a*	b*	Haze/%
6	38.7	75.3	57.9	89.4	-3.95	5.02	0.9
12	27.7	68.9	47.6	86.3	-5.72	7.09	0.8
22	13.0	56.2	32.7	79.5	-9.04	11.13	1.0

UVT: UV transmittance, VLT: visible light transmittance, ST: solar transmittance, L*, a*, b* : CIE 1976 L* a* b* color space (D65, 10 deg, field).

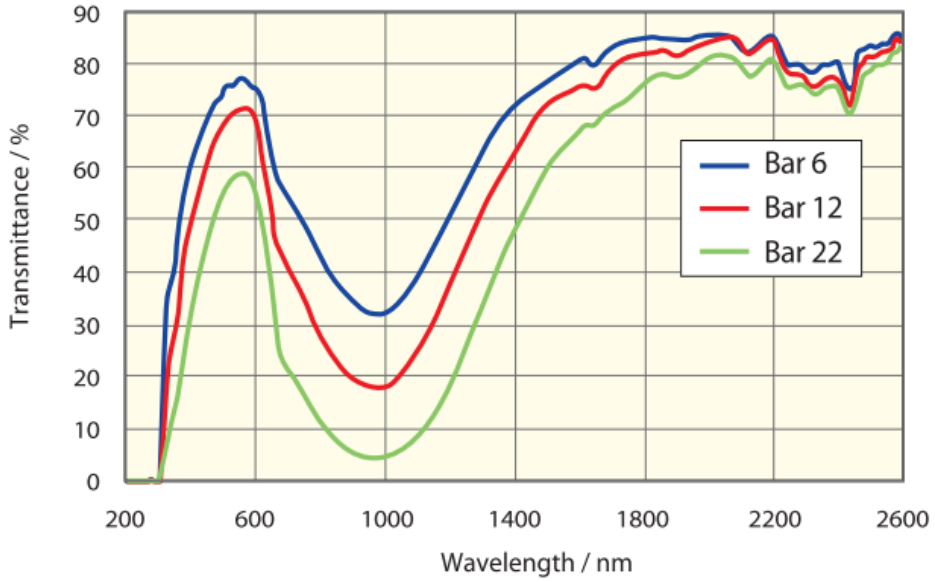


Fig.1 Transmittance Profiles of KHF-7AH