

超耐熱・高硬度PMMA

アルトグラス® HT121

High Heat and Scratch Resistance Altuglas® HT121

PMMA樹脂として最高レベルの耐熱性、耐引っ掻き性を実現

Highest temperature resistance and highest scratch resistance of all PMMA grades available on the market

➤ 樹脂の構造を変化させることにより、性能が飛躍的に向上
Dramatic performance improvement by altering resin structure

➤ PMMA樹脂の特性を維持したまま、
耐熱+10°C／耐引っ掻き+2~3Hを達成

Achieved +10°C heat resistance and +2~3H scratch resistance while maintaining typical PMMA properties

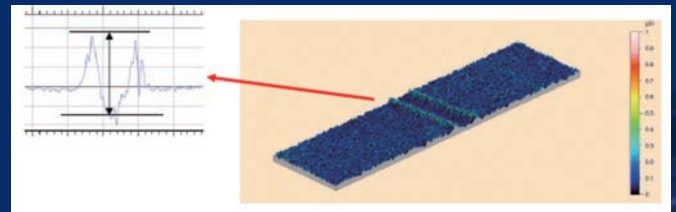
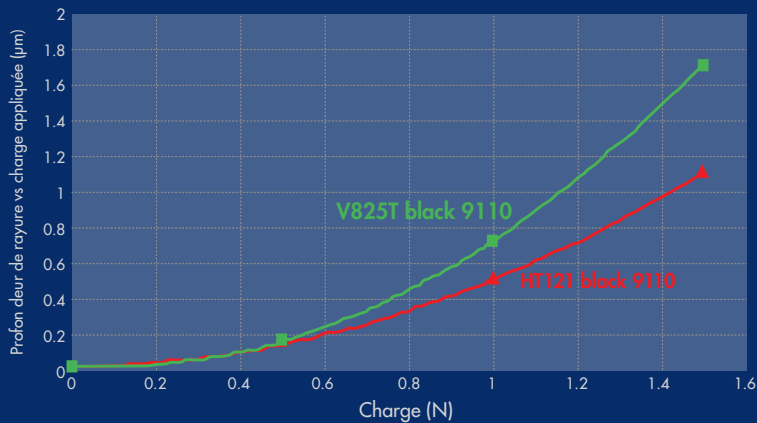
Properties	Method	Units	PMMA	HT 121
VICAT (50N)	ISO 306B	°C	85-108	121
HDT (1.82 MPa)	ISO 75	°C	77-100	110
Tg (on set)	ASTM D 3418	°C	Max.115	128

Vicat B50 : 121°C

Rockwell Hardness : M102

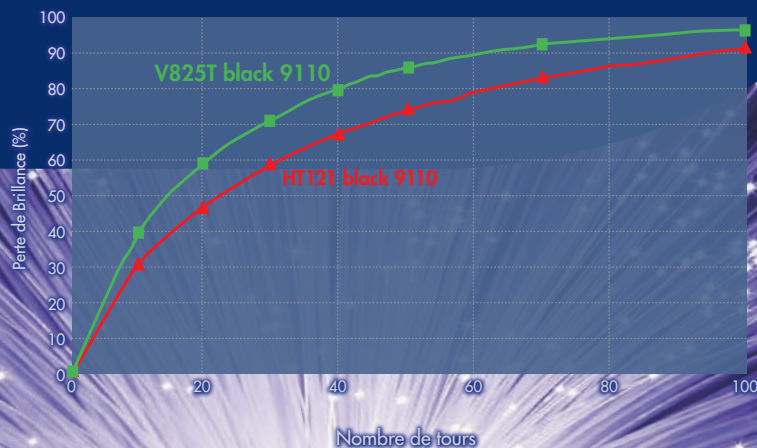
Pencil Test : 5H (vs スタンダード品 : 2~3H)

TEST de Rayure Taber



Single scratch resistance of HT121 black is better than general PMMA

Courbe représentant la perte de brillance (20°) en fonction du nombre de tours d'abrasion



Abrasion resistance of HT121 black is better than general PMMA