

물 성 표



투명 ABS	제 품 특 성
PRODUCT/ GRADE	
DTR-851	

Property	Test Method	Test condition	Unit	Result
SPECIFIC GRAVITY(비중)	ASTM D792			1.08
Mold Shrinkage (성형수축율)	ASTM D955		%	0.3~0.7
Melt Flow Rate(유동성)	ASTM D1238	200°C X 5kg	g/10min	
		220°C X 10kg	g/10min	16.0
Tensile Strength(인장강도)	ASTM D638	50mm/min	kg/cm ²	430
Tensile Modulus(인장탄성율)	ASTM D638	1mm/min	kg/cm ²	18,000
Elongation at Yield(신율)	ASTM D638	50mm/min	%	
Flexural Strength(굴곡강도)	ASTM D790	15mm/min	kg/cm ²	550
Flexural Modulus(굴곡 탄성율)	ASTM D790	15mm/min	kg/cm ²	18,000
IZOD IMPACT(충격강도)	ASTM D256	1/4", 23°C	kg·cm/cm	15
		1/4", -30°C	kg·cm/cm	7
		1/8", 23°C	kg·cm/cm	16
		1/8", -30°C	kg·cm/cm	5
Rockwell hardness	ASTM D785	R-Scale		106
Heat Deflection Temperature (열변형 온도)	ASTM D648	18.6kg/cm ² 1/4" (Annealed)	°C	84
		18.6kg/cm ² 1/4" (Unannealed)	°C	
		4.6kg/cm ² 1/4" (Annealed)	°C	
		4.6kg/cm ² 1/4" (Unannealed)	°C	
Vicat Softening Temp (annealed)(Vicat 연화점)	ASTM D1525	5kg/50°C/h	°C	
Flammability(난연성)	UL94	1/8"	class	HB
Chatacteristics(특성)			High Impact(고충격)	

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