

TECHNICAL DATA SHEET

ENLIGHT® 205

Heat resistant injection grade, high temperature resistance, heat distortion temperature up to 100°C, tough mechanical strength.

Applications: Extrusion plates, rods, tubes; specially suitable for external automotive light casings / sunglasses / digital watch casings

Properties	Test Method	Test Condition	Unit	Value
Melt Flow Index	D1238	230° C , 3.8 kg	g/10 min	1.8
Mass Density	D792	23 °C	-	1.19
Bulk Density	D1182	-	g/cm ³	0.7
Water Absorption	D570	-	%	0.3
Mould Shrinkage	D955	-	%	0.2-0.6
Hardness	D785	-	M Scale	95
Refractive Index	D542			1.491
Ligth Transmission	D1003		%	92
Tensile Strength (Break)	D638	6 mm/min	Kg/cm ²	750
Tensile Elongation	D638	6 mm/min	%	10
Flexural Strength	D790	2.8 mm/min	Kg/cm ²	1200
IZOD	D256(Notched)	6.4 mm, 23°C	Kg-cm/cm	2.0
Vicat Softening Temp.	D1525	1 kg,50 °C/hr	°C	115
Heat Distortion Temp.	D648	Unannealed	°C	102
UL Flammability	UL 94	-	-	1.5 mm HB