

ACRYLITE® Satinice df 21 8N

PMMA

Evonik CYRO LLC

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	3.1	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	3800	MPa	ASTM D 638
Tensile Strength	79.3	MPa	ASTM D 638
Elongation at Yield	4	%	ASTM D 638
Elongation at Break	4	%	ASTM D 638
Flexural Modulus	3500	MPa	ASTM D 790
Flexural Strength	138	MPa	ASTM D 790
Rockwell Hardness	M 95	-	ASTM D 785
Izod Impact notched, 1/4 in	16	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	72	E-6/K	ASTM D 696
Vicat Temperature	119	°C	ASTM D 1525

Optical properties	Value	Unit	Test Standard
ASTM Data			
Haze	83	%	ASTM D 1003
Light Transmittance	90	%	ASTM D 1003
Index of Refraction	1.5	-	ASTM D 542

Other properties	Value	Unit	Test Standard
Water Absorption, Equilibrium	0.3	%	ASTM D 570
Density	1190	kg/m ³	ASTM D 792

Characteristics**Special Characteristics**

U.V. stabilized or stable to weather

Regional Availability

North America

Features

Light Diffusing