

ACRYLITE® Satinice ZD24

PMMA

Evonik CYRO LLC

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	0.8	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data	Value	Unit	Test Standard
Tensile Modulus	2300	MPa	ASTM D 638
Tensile Strength	51	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Elongation at Break	43	%	ASTM D 638
Flexural Modulus	2100	MPa	ASTM D 790
Flexural Strength	129	MPa	ASTM D 790
Rockwell Hardness	M 63	-	ASTM D 785
Izod Impact notched, 1/4 in	32.3	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	N	J/m	ASTM D 256
Temperature	0	°C	-
Thermal properties			
ASTM Data	Value	Unit	Test Standard
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	72	E-6/K	ASTM D 696
Vicat Temperature	98	°C	ASTM D 1525
Optical properties			
ASTM Data	Value	Unit	Test Standard
Haze	97	%	ASTM D 1003
Light Transmittance	87	%	ASTM D 1003
Index of Refraction	1.49	-	ASTM D 542
Other properties			
Value	Unit	Test Standard	
Water Absorption, Equilibrium	0.3	%	ASTM D 570
Density	1150	kg/m ³	ASTM D 792

Characteristics**Processing**

Profile Extrusion, Sheet Extrusion

Special Characteristics

High impact or impact modified, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Features

Amorphous, Light Diffusing, Light Guiding, Melt Strength

Chemical Resistance

Environmental Stress Crack Resistance

Certifications

Food contact, Food approval 10/2011, Food approval FDA 21 CFR

Applications

Automotive

Regional Availability

North America