

WeatherPro™ Plexiglas® DR®/ABS

Acrylonitrile Butadiene Styrene + Acrylic (PMMA)

Spartech Plastics

Message:

The first of Spartech's Weather Pro plastics, the AlloyPlastic created by the coextrusion of Plexiglas DR/ABS offers the weatherability, aesthetics, and gloss of acrylic combined with the toughness of High Impact ABS. The toughest acrylic/ABS composite available, used in utility vehicle body parts, sanitaryware, kayaks, and other recreational applications.

General Information			
Features	Highlight		
	Good weather resistance		
	Good toughness		
	Good appearance		
Uses	Water Sports Equipment		
	Application in Automobile Field		
	Sporting goods		
	Bathroom products		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	99		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1930	MPa	ASTM D638
Tensile Strength (Yield)	34.5	MPa	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength	71.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	53	J/m	ASTM D256
23°C	240	J/m	ASTM D256
Dart Drop Impact			ASTM D3029
-40°C	0.904	J	ASTM D3029
23°C	2.26	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	82.2	°C	ASTM D648
Optical	Nominal Value		Test Method
Gardner Gloss	99		ASTM D523

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