

General Purpose Grade

Exhibits excellent clarity, UV stabilized and excellent impact. For use in sign, glazing, thermoforming and fabricating applications.

PROPERTY			
PHYSICAL	TEST METHOD	UNITS	TYPICAL DATA
Specific Gravity	ASTM D792	-	1.2
Specific Volume	ASTM D792	in3/lb (cm3/kg)	23.10 (833.79)
Water Absorption Equilibrium	ASTM D570	%	0.35
OPTICAL			
Light Transmission	ASTM D1003	%	89.00
Haze	ASTM D1003	%	1.0 (PCGG Only)
Yellowness Index	ASTM D1925	-	<1.0
Refractive Index	ASTM D542	-	1.586
MECHANICAL			
Tensile Strength	ASTM D638	psi (MPa)	9,935 (68.6)
Elongation at Break	ASTM D638	%	90-140
Flexural Modulus	ASTM D790	kpsi (MPa)	327 (2,255)
Flexural Strength	ASTM D790	psi (MPa)	12,916 (89.1)
Notched Izod Impact 73° F (23° C)	ASTM D256	ft-lb/in (J/M)	18.3 (1,000)
THERMAL			
DTUL, 264 psi (1.8 MPa)	ASTM D648	°F (°C)	271 (133)
DTUL, 66 psi (0.45 MPa)	ASTM D648	°F (°C)	282 (139)

Property values are based on resin manufacturers data and are subject to all disclaimers applicable. These property values are not intended for specification purposes and are subject to Apogee Plastics standard disclaimer.

Apogee Plastics Corporation does not warrant or guarantee the material suitability, merchantability, fitness for particular purpose, use, or application. It is expressly agreed that the customer releases Apogee Plastics Corporation from any and all liability which may be incurred in connection with the use of its products, assistance or information and customer hereby assumes all liability thereunder. Nothing herein shall be construed as Apogee Plastics Corporation recommending the material for a certain use or the material suitability for a particular use or purpose.

WHERE CUSTOM IS STANDARD

- Custom length, width and gauge
- Low minimum orders
- Fast turnaround
- Thermoformable film masking
- Clear
- Custom color matching
- UV resistant
- Green alternatives