



# TECHNICAL DATA SHEET

Rigid

# 8132

## DESCRIPTION/ APPLICATION

8132 is a rigid extrusion PVC compound for interior applications where transparency is critical. The 8132 compound is characterized by excellent physical properties and easy processing and also contains a UV inhibitor to retard deterioration. 8132 is widely used for clear profiles such as furniture trim, shower doors, and protected jalousie windows. Electronic packaging products are specified using this product and high-impact vacuum formed sheet applications are also filled with 8132. It is available in a blue tint and easily colored by concentrates. Twin-screw machines may be used to convert 8132.

GENERAL PROPERTIES	VALUE	METHOD
Specific Gravity (+/- 0.02)	1.31	ASTM D-792
Hardness, Rockwell R	112	ASTM D-785
Hardness Delayed 10 sec, Shore D (+/-3)	78	ASTM D-2240

  

MECHANICAL PROPERTIES	VALUE	METHOD
Tensile Yield Strength, psi	6,700	ASTM D-638
Tensile Modulus, psi	356,000	ASTM D-638
Tensile Impact, ft-lbs/in <sup>2</sup>	89	ASTM D-1822
Flexural Strength, psi	11,380	ASTM D-790
Flexural Modulus, psi	350,000	ASTM D-790
1/8" Notched Izod Impact	12.5 ft-lbs/in @ 23°C	ASTM D-256
1/4" Notched Izod Impact	2.5 ft-lbs/in @ 23°C	ASTM D-256

  

OTHER PROPERTIES	VALUE	METHOD
Heat Deflection Temperature, °C	72 @ 264 psi	ASTM D-648
Cell Classification	14444233	ASTM D-4216
Transmittance, % (1/8" Pressed Plaque)	75	ASTM D-1003-61
Haze, % (1/8" Pressed Plaque)	5.0	ASTM D-1003-61
Flammability	SE	ASTM D-635
UL Rating, minimum thickness 0.040 in	V-0	UL-94

  

RECOMMENDED MELT TEMPERATURE	370°F
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