

## GENERAL DESCRIPTION

**GF 260 High Strength** is a high performance, general-purpose adhesive with a long open time. Once set it forms a tough, but flexible bond. This very versatile adhesive works particularly well when bonding glass to light gauge metals and metals to ABS plastics. Also suitable for bonding many plastics, ceramics, aluminum, fiberglass, some hardwoods, paper and board.

**GF 213 Laminate** is an economical general-purpose adhesive suitable for use on wood, ceramics, and some plastics, such as rigid PVC and polystyrene. It is medium in viscosity and can be used for porous surfaces, such as foams and fabrics.

**GF 23 Wood** is an assembly grade product with excellent bonding properties and a high level of adhesive strength, suitable for many assembly applications where both high and low temperature conditions prevail. It is good on most materials, such as wood, paper, fabric, many plastics, and light gauge metals.

**GF 14 Carton** is a high output packaging adhesive, suitable for use on most paper and board substrates. The low viscosity of this product helps prevent stringing, improves glue gun output, and ensures bonds are made with the minimum gap between surfaces. It is a versatile packaging adhesive; the low viscosity enables it to be used for small delicate assemblies as well as very high output applications that require fast adhesive dispensing.

**GF 232 General** is an economical clear general-purpose adhesive with good adhesion to many surfaces. It has a high viscosity, which makes it suitable for porous substrates, such as fabrics and foams. It has excellent gap filling and low sag properties.

## TECHNICAL CHARACTERISTICS

Model	260 Hi Strength	213 Laminate	23 Wood	14 Carton	232 General
Part# in 1 lb. pk (15 sticks)	110049646	110049640	110049637	110049643	110049634
Part# in 11 lb. pk (165 sticks)	110049647	110049641	110049638	110049644	110049635
Adhesive type:	Synthetic polymer based hotmelt				
Color:	Very pale amber	Very pale amber	Very pale amber	Light brown	Clear/ transparent
½" sticks					
Molten tack:	Medium	Medium	High	High	Medium
Diameter (Nominal)	½"	½"	½"	½"	½"
<b>Length (Nominal)</b>	12"	12"	12"	12"	12"
<b>Carton Quantity</b>	11 lbs	11 lbs	11 lbs	11 lbs	11 lbs
<b>Sticks per lb. (approx.)</b>	16	16	16	16	16
<b>Suggested Application Temperature:</b>	380°F	380°F	380°F	380°F	380°F
<b>Brookfield viscosity (ASTM D3236)</b>	7000 cps	6000 cps	5000 cps	2000 cps	9500 cps
<b>@ 350°F spindle 27</b>					
Ring & Ball Softening Point (ASTM E28)	194°F	194°F	190°F	235°F	189°F
Heat Resistance (BS5350 Part H3)	158°F	167°F	167°F	185°F	167°F
Open Time	Medium	Long	Long	Short	Medium
Low temperature flexibility (tg)	10°F	10°F	-4°F	-14°F	-22°F