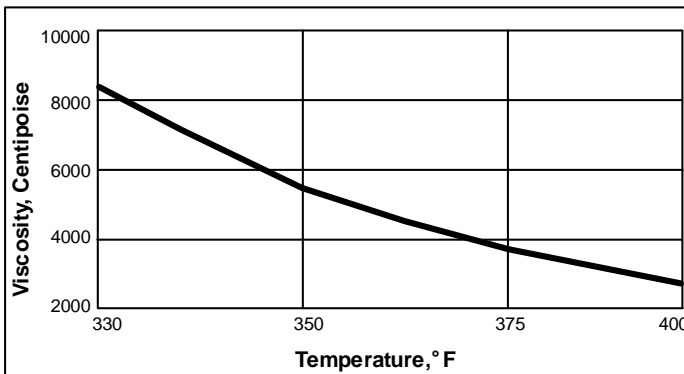


Description

Technomelt® 0437 hot melt adhesive is an EVA formulated to be spray applied to a wide variety of substrates through bulk hot melt spray equipment. Hysol 0437 is suitable for bonding polyethylene or urethane foams, expanded polystyrene, corrugated, wood, fabrics, and plastics. If smaller applications require a hand held portable hot melt applicator, Hysol SprayPac 0430 shaped hot melt adhesive is recommended using the Hysol 175-Spray Applicator (#98037)

Typical Properties	Typical Value
Softening Point, °F, ASTM E 28	227
Viscosity @ 350°F, cP, ASTM D 3236	5200
Open Time, Sprayed, minutes	3.5
Open Time, Bead, seconds	30
Heat resistance, °F, ASTM D 4498	170
Specific Gravity @ 77°F ASTM D 792	1.03
Tensile Strength, psi, ASTM D 638	270
Hardness, Shore A	75
"T" Peel, pli ASTM D-1876 Aluminum	23
Application Temperature, °F Tank	350

Viscosity Curve



PERFORMANCE OF CURED MATERIAL

Shear Strength vs. Substrate ASTM D1002, psi,
 cured 5 days at 22°C

	Typical Value
Grit-Blasted Steel	360
Aluminum	604
Anodized Aluminum	530
Stainless Steel	405
Galvanized	350
Zinc Dichromate	300
Polycarbonate	270
Nylon	235
G-10 Epoxy	220
LDPE	115
Wood (Pine)	320
Glass	155
Polypropylene	280

Block Shear, ASTM D4501, psi	Typical Value
24 Hour RTC, 68°F/50%RH	
PVC	265
Valox	270
HD Polyethylene	240
Polypropylene	280

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

Application

Allow dispensing equipment to reach operating temperature

before applying the adhesive. Technomelt® 0437 should be

sprayed 6-9" above the substrate. The best bonding results are

achieved when the substrates are bonded immediately.

Precautions

Once melted, like any hot liquid, this adhesive can produce severe burns. Care should be taken to avoid getting hot adhesive on the skin. If skin contact occurs, flush the affected area with large amounts of cold water.

Storage

Store product in unopened container in a cool dry location. Ideal conditions are within the range 8 to 21 degrees C (46 to 70 degrees F) and are recommended for long term storage. Exposure to higher temperatures (greater than 28 degrees C) for prolonged periods should be avoided as extended exposure to warm conditions can adversely affect product properties. For further specific shelf life information, contact your local Technical Service Center.

Note

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