

Notes:

- 1) This Purchase specification covers technical details of sealants/adhesives used in Vehicle project of EMD locos.
- 2) The specification details the following:
 - a. "Product being used/Validated owing to use" – This includes the product being used for the detailed application, by DLW in the past 2 years. Since past performance of the hereto used products has been satisfactory, the products tabulated shall be treated as validated.
 - b. "General Requirements" – This details the general properties based on the applications. The quoted product/offered product should meet/be suitable for use for these general properties.
 - c. "Basic Requirements" – This details the technical properties of each sealant/adhesive. The offered/quoted product should necessarily exceed or at least meet the detailed properties.
- 3) Bidders who offer products other than those tabulated under "Product being used/Validated owing to use" shall, in their offer/offered product, need to ensure the following:
 - (a) Ensure that the offered product meets/exceeds the "General Requirements" & "Basic requirements" tabulated above.
 - (b) Shall include WTC from the OEM manufacturer of the offered product or test certificates from government approved test house/laboratory e.g. Indian Rubber Manufacturers Research Association/Thane. The WTC/Test certificates should necessarily cover the "General Requirements" & "Basic requirements" as tabulated above.
 - (c) To avoid back references, bidders should ensure that the above requested details, for part of their offer. In case the details are not available, the offer shall be considered incomplete & technically not meeting the specified requirement.
- 4) Prototype Inspection – If any offer technically considered suitable for developmental order and order is placed on the firm, then the supplier shall submit Prototype sample (for one loco requirement) only for its testing and validation for a six months. Necessary tests, including field validation, shall be carried out by Design office & after successful testing & validation; the clearance may be given by Design office, thereafter for supply of remaining qty of the developmental order.

Draft Specification- Interested firms may, parawise, offer their comments latest by 11.08.2020 on the email: dycdemech@gmail.com, dlwadedev@gmail.com

GM Part no.	8255268	
DLW Part No.	17270716	
Description	ADHESIVE	
Product being used / validated owing to use in past two year	3M 847 H OR EQUIVALENT	
General Requirements	The product should be a high viscosity grade adhesive for brush or flow applications requiring gap filling or reduced soak-in. It should be able to bond leather, rubber, plastics, gasketing material to a variety of substrates including steel, wood & non-ferrous material. It should show excellent resistance to water, diesel fuel & oil. It should maintain high strength of bonding upto temperatures of 75 deg C.	
Basic Requirements (These are minimum properties required in the product)	Parameters	Requirements
	Specific properties 1. Viscosity (Brookfield RVF @ 80°F (27°C) 2. Bonding Range 3. Peel Strength 4. Shear Strength 5. Solid Contents 6. Shelf Life	1. 20000 cps -90000 cps (#6 sp @ 4 rpm) 2. Up to 10 minutes 3. Min 40 PIW at 14 deg C @ 3 weeks. 4. 1.38 MPa at 24 deg C. Birch plywood to birch plywood at 0.1 "/min separation rate. 5. 45% (Min) 6. 12 months (min) from date of manufacture.