

Antisoldering Paste

AS-280

AS-280 is a ready to use high temperature die lubricant paste for metal forming processes. This product is used as an anti-sticking paste.

Mainly is applied sparingly to the critical areas of dies used in the pressure die casting of aluminium to prevent metallizing and other adverse effects.

This is a finely balanced mixture of ingredients which cover hot metal surfaces easily and effectively. This creates a very thin, highly-adhesive, homogeneous, oily layer. Good balance for comparing between economic, versatile and effective. Give an excellent release agent, especially for difficult spots on metal dies.



PRESSURE DIE CASTING RELEASE AGENT

PRODUCT	APPLICATIONS					BASED		TYPE	PROPERTIES	Remark
	aluminium	Lead	Magnesium	brass	zinc	Water-based	Oil-based	Semi-permanent	Paintable	
DRW-205	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				
DRW-205B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	
DRW-211	<input type="checkbox"/>		<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	The most extensively use release agent for die casting
DRW-210F	<input type="checkbox"/>		<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>	For high-temperature application
DRW-222		<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	Very good for die casting of zinc
DRW-226OL				<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	Oil based released agent for die casting of brass
DRW-299	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	Design for low pressure die-casting

PLUNGER LUBRICANT

PRODUCT	Oil-based	Plunger size dia.
DPL-230	<input type="checkbox"/>	<80mm.
DPL-240	<input type="checkbox"/>	>80mm.



MOULD RELEASE AGENT DIE CASTING



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KERNIK offers the effective and economical mold release agent and other consumable chemicals for various applications including rubber, plastic, fiber-reinforced plastic (FRP), die-casting, medium density fiberboard (MDF), high-density fiberboard (HDF), etc. KERNIK provides product in many forms. Our broad line of product includes permanent and semi-permanent, water-based and solvent-based, internal and external release agent.

From the Collaboration with The Technical Advanced Group in Germany, KERNIK has a very strong technical advantage to be able to customize and offer the best products as the solution for serving our customer's needs.

KERNIK Products for Die Casting

Die Casting is one of the best methods to the production of small and medium size parts in long series. KERNIK has developed various consumable products especially for die casting applications including release agents, plunger lubricant, ladle coating, and anti-soldering paste.

Release Agents

KERNIK release agent ensures the superb surface quality for various die casting material including Aluminum, Bronze, and Zinc. KERNIK Release Agent also helps protect the mold from the build up of the residual scrap from the casted parts and leftover release agent.



■ DRW-205

Release Agent DRW-205 is a water-based release agent designed for pressure die casting of aluminum, magnesium, zinc and lead. The active material is a combination of silicone wax. This product is an excellent solution for all casting applications in term of price versus performance. Release Agent DRW-205 contains corrosion inhibitors. Parts that produced with DRW 205 show a homogenous surface with no spots or clouds on its.

■ DRW-205B

Release Agent DRW-205B is a water-based release agent designed for pressure die casting of aluminum, magnesium, zinc and lead. The active material is a combination of silicone wax. This product is an excellent solution for all casting applications in term of price versus performance. Release Agent DRW-205B contains corrosion inhibitors. Parts that produced with DRW 205 show a homogenous surface with no spots or clouds on its. The casted part can be painted by using DRW-205B.

■ DRW-210F

Release Agent DRW-210F is a water-based release agent designed for the pressure die casting of aluminium alloys. The DRW-210F was designed for medium to high die temperatures. It will make the castings with minimum porosity result. Residues in and on the mould are minimized. The stability of the ready to use mixture, even with hard water is perfect. Very easy to apply. For the finished part after using DRW-210F, The surface of the part will be very excellent. Excellent for release and lubricating properties

■ DRW-211

Release Agent DRW-211 is a release agent for pressure die casting of aluminum and magnesium alloys. It is based on modified polymers in combination with special waxes. It will form a very resistant coating. This product contains the anti-corrosive additives.

■ DRW-222

Release agent DRW-222 is a water-based release agent for pressure die casting of zinc and lead alloys. It is based on synthetic ester oils. This is an alternative to replace classic solvent-based release agents. It contains the anti corrosive additives.

■ DRW-225

Release Agent DRW-225 is a water-based release agent designed for the pressure die casting of magnesium alloys. This release agent can be diluted with water, the dilution ratio depend on the difficulty of parts, machine condition and process condition. Residues in and on the mould are minimized. The stability of the ready to use mixture, even with hard water is perfect. Good wetting property will be obtained with using the DRW-225. This will help the surface of the casting product looks excellent. This is very easy to release and great lubrication.

■ DRW-226OL

DRW-226OL is an oil-based release for pressure die casting of brass.

■ DRW-299

DRW-299 is a semi-permanent water-based release agent for low-pressure die casting of aluminum, magnesium, and zinc. It is very easy to use. The Maximum temperature stability is up to 1200 degree Celsius. After using the DRW-299 the finished parts can be painted.

Plunger Lubricants

KERNIK oil-based plunger lubricants help guarantee that your casting machine will be able to operate at full capacity all the time. It gives an excellent lubrication for the protection of sleeves and tips, which in the end means reduce the downtime of your precious machine.



■ DPL-230

DPL-230 is an oil-based plunger lubricant. This product shows the excellent lubrication ability with a low dosage. Its contained a good wetting properties. This product is easy to use. DPL-230 has been designed to use with the plunger with the size less than 80 mm.

■ DPL-240

DPL-240 is an oil-based plunger lubricant. This product shows the excellent lubrication ability with a low dosage. Its contained a good wetting properties. This product is easy to use. DPL-240 has been designed to use with the plunger with the size more than 80 mm.

Ladle Coating

■ LC-290

LC-290 prevents burning-in of bolts, hinges and screw connections. Functions as a long-term coating in the pressure die casting of non-ferrous metals and prevents sticking of the molten metal for a long time. Easy re-lubrication without shutting down the machine. This product is a high-temperature paste suitable up to 1000°C. It has a chemical composition of hydrocarbon oil and inorganic solid lubricants. Above a temperature of 200 °C LC-290 functions as a dry lubricant.

