



# Teflon<sup>®</sup>

## Industrial Coatings



**HEAT  
RESISTANT**



**NONSTICK**



**LOW  
FRICTION**



**CHEMICAL  
RESISTANT**



**HI/LO TEMP  
RESISTANCE**



**NONWETTING**



**ELECTRICAL**



**FDA  
CONFORMING**



**ABRASION  
RESISTANT**

## Product and Market Guide

Ever since their discovery and subsequent introduction under the Teflon® trademark, fluoropolymers have demonstrated a versatility unmatched by any other

engineering material. With a unique combination of properties, DuPont Teflon® industrial coatings have gained acceptance in a wide variety of markets.

Available in a full range of powder and liquid forms, these coatings allow almost unlimited application to a wide range of part sizes and configurations—always adding value far beyond their inherent nonstick qualities.



Technology:	Product Code:	Food Contact:	Cure Temp °C (°F):	Service Temp °C (°F):	Typical Applications:	
PTFE	<b>TOPCOATS (Aqueous):</b>		385-430° (725-805°)	260° (500°)	<ul style="list-style-type: none"> <li>• Heat exchangers</li> <li>• Automatic soldering equipment</li> <li>• Molds</li> <li>• Carburetor shafts, linkages</li> <li>• Cruise control parts</li> <li>• Filters</li> <li>• Cryogenic applications</li> <li>• Aerospace applications</li> </ul>	
	851-214	Green				
	851-221	High-build Gray				
	851-224	High-build Green				
	851-255	High-build Black				
	852-201	Clear				
	852-202	High-Build Clear				
	<b>ACID PRIMERS*:</b>		230-280° (445-535°)	260° (500°)		* Used with VM-7799 acid accelerator
	850-300	Clear				
	850-314	Green	Force dry			
850-321	Gray					
FEP	<b>TOPCOATS (Powder):</b>		290-370° (554-700°)	150° (300°) 200° (390°)	<ul style="list-style-type: none"> <li>• Chemical equipment, i.e: impellers; mixing tanks; valves; pumps</li> <li>• Biomedical equipment</li> <li>• Heat sealing bars</li> <li>• Shoe molds</li> <li>• Textile dryers</li> </ul>	
	532-8000	Clear				
	532-8110	Clear	<b>YES</b>			
	<b>TOPCOATS (Aqueous):</b>		370-400° (700-750°)	200° (390°)		
	856-200	Clear	<b>YES</b>			
	856-204	Green				
	856-211	Gray				
	<b>PRIMERS:</b>					
	850-Acid Primers					
	958-203	Black				
958-207	Green					
959-203	Black	<b>YES</b>				
959-205	Brown	<b>YES</b>				
959-503	Silver	<b>YES</b>				

Technology:	Product Code:	Food Contact:	Cure Temp °C (°F):	Service Temp °C (°F):	Typical Applications:
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**PFA**

**TOPCOATS (Powder):**

532-5010	Clear	<b>YES</b>
532-5011	Clear (Extra smooth)	<b>YES</b>
532-5012	High-build Tan	<b>YES</b>
532-5310	Clear (High MW)	<b>YES</b>
532-7000	Sparkling Clear	<b>YES</b>
532-7100	White	<b>YES</b>

370-400°  
(700-750°)

260° (500°)

- Chemical equipment, i.e: impellers; mixing tanks; valves; pumps
- Biomedical equipment
- Silicone wafer mfg. equip.
- Molds
- Laundry dryers
- Copier, printer rolls
- Paint spray cups
- Light bulbs

**TOPCOATS (Aqueous):**

857-210	Clear
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400° (750°)

260° (500°)

**PRIMERS:**

420-703	Black	<b>YES</b>
850-Acid	Primers	
959-503	Silver	<b>YES</b>

**ETFE**

**TOPCOATS (Powder):**

532-6110	High-build Clear	<b>YES</b>
532-6210	High-build Topcoat	<b>YES</b>
532-6114	High-build Green	
532-6118	Sparkling Beige	<b>YES</b>

300-315°  
(570-600°)

150° (300°)

- Thick films (1,000 microns)
- Chemical equipment, i.e: centrifuges; tank linings; valves; pumps; exhaust ducts
- Polystyrene molds

**PRIMERS:**

532-6006	Blue Powder Coat	
699-123	Black Aqueous	<b>YES</b>

Technology:	Product Code:	Food Contact:	Cure Temp °C (°F):	Service Temp °C (°F):	Typical Applications:
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**Teflon®-S Self-priming ONE-COAT blends of fluoropolymer with other resins: PPS; PES; PAI; Epoxy**

**(Powder):**

532-1003	Black Powder Coat		200-290° (390-555°)	150° (300°)	
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**(Solvent):**

954-100	Unpigmented		260° (500°)	150° (300°)	
954-101	Green				
954-103	Black				
954-201	Low-bake Green		175° (350°)	150° (300°)	
954-203	Low-bake Black				
954-407	Low-bake Flat Black				
958-203	Black		315-345° (600-650°)	220° (430°)	
958-207	Green				
958-303	Dry Lubricant Black		260-345° (500-650°)	260° (500°)	
958-306	Blue				

**(Aqueous):**

954-50003	Black		175° (350°)	150° (300°)	
954-50007	Green				

- Automotive gasoline filler tubes
- Sprinkler ball valves
- Fan blades, Housings, Garden tools
- Automotive fasteners
- CPI fasteners
- Boat propellers
- Saw blades
- Packaging equipment, Conveyors
- Fuel injectors, Saw blades
- Best dry lubricant

**Teflon® One-Coats Self-priming, ONE-COAT blends of fluoropolymer with other resins: PPS; PES; PAI; Epoxy**

**(Solvent):**

420-104	Gray	<b>YES</b>	400° (750°)	260° (500°)	
420-106	Metallic Gray	<b>YES</b>			
420-109	Metallic Black	<b>YES</b>			
959-203	Black	<b>YES</b>	345° (650°)	215° (420°)	
959-205	Brown	<b>YES</b>			

**(Aqueous):**

857-503	Black	<b>YES</b>	400° (750°)	260° (500°)	
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- Coffee plate warmers
- Assorted food processing utensils
- Iron sole plates
- Portable electrics
- Sandwich makers

**PTFE / PFA Patented Blends**

855-021	Blue (Primer)		425°-430° (800-810°)	260° (500°)	
855-401	Silver (Midcoat)				
855-402	Black (Midcoat)				
855-500	Clear (Topcoat)				

**(Electroconductive):**

855-023	Black (Primer)		425°-435° (800-815°)	260° (500°)	
855-101	Black (Midcoat)				
855-103	Black (Topcoat)				

**(Industrial Supra®):**

459-780	Blue (Primer)	<b>YES</b>	425°-435° (800-815°)	260° (500°)	
456-186	Pewter (Midcoat)	<b>YES</b>			
456-187	Black (Midcoat)	<b>YES</b>			
456-480	Clear (Topcoat)	<b>YES</b>			

**(Ceramic Reinforced):**

857-101	Black (Primer)	<b>YES</b>	425°-440° (800-815°)	260° (500°)	
857-202	Black (Midcoat)	<b>YES</b>			
857-301	Clear (Topcoat)	<b>YES</b>			

- Copiers
- Printers

- Commercial food

Market:	Typical Applications:	Coating Requirements:	Recommended Products:		BEST—	
<b>AUTOMOTIVE</b>	<ul style="list-style-type: none"> <li>• Seat belt clips</li> <li>• Fasteners</li> <li>• Throttle body shafts</li> </ul>	<ul style="list-style-type: none"> <li>• Dry lubrication</li> <li>• Corrosion resistance</li> </ul>	954-103	Black	958-303	Black
<b>CHEMICAL PROCESSING</b>	<ul style="list-style-type: none"> <li>• Pumps</li> <li>• Tanks</li> <li>• Valves</li> <li>• Impellers</li> </ul>	<ul style="list-style-type: none"> <li>• Chemical resistance</li> </ul>	850-321 532-5012 532-5010	Gray Tan Clear (500 microns)	699-123 532-6114 532-6110	Black Green Clear (1,000 microns)
<b>INDUSTRIAL BAKEWARE</b>	<ul style="list-style-type: none"> <li>• Bread pans</li> <li>• Bun pans</li> <li>• Flat pans</li> </ul>	<ul style="list-style-type: none"> <li>• Nonstick</li> </ul>	959-503 420-703 532-7000	Silver (Primer) Black (Primer) Sparkling Clear	959-503 420-703 532-5310	Silver (Primer) Black (Primer) Clear (Topcoat)
<b>FASTENERS</b>	<ul style="list-style-type: none"> <li>• Large industrial nuts and bolts</li> </ul>	<ul style="list-style-type: none"> <li>• Corrosion resistance</li> </ul>		—	958-306	Blue
<b>FOOD PROCESSING</b>	<ul style="list-style-type: none"> <li>• Dough rollers</li> <li>• Misc. equipment</li> </ul>	<ul style="list-style-type: none"> <li>• Nonstick</li> </ul>	420-106 958-203 856-200	Silver (One-coat) Black (Primer) Clear (Topcoat)	420-703 532-5012 532-5010	Primer Tan Clear
<b>FOOTWEAR</b>	<ul style="list-style-type: none"> <li>• Shoe molds</li> <li>• Midsoles</li> <li>• Outsoles</li> </ul>	<ul style="list-style-type: none"> <li>• Nonstick</li> </ul>	850-321 856-200	Gray (Primer) Clear	850-321 532-5010	Gray (Primer) Clear
<b>HARDWARE</b>	<ul style="list-style-type: none"> <li>• Saw blades</li> </ul>	<ul style="list-style-type: none"> <li>• Nonstick</li> <li>• Low friction</li> </ul>		—	954-407 954-103	Flat Black Black
<b>COMMERCIAL LAUNDRY</b>	<ul style="list-style-type: none"> <li>• Dryer baskets</li> </ul>	<ul style="list-style-type: none"> <li>• Nonstick</li> </ul>		—	420-703 532-7000	Black (Primer) Sparkling Clear
<b>LAWN &amp; GARDEN</b>	<ul style="list-style-type: none"> <li>• Shears</li> <li>• Scissors</li> </ul>	<ul style="list-style-type: none"> <li>• Nonstick</li> <li>• Corrosion resistance</li> <li>• Dry lubrication</li> </ul>		—	954-103	Black (Industry standard)
<b>LIGHTING</b>	<ul style="list-style-type: none"> <li>• Incandescent light bulbs</li> </ul>	<ul style="list-style-type: none"> <li>• Heat resistance</li> <li>• Optical clarity</li> </ul>		—	532-5310	Clear
<b>MOLD RELEASE</b>	<ul style="list-style-type: none"> <li>• Golf balls</li> <li>• Rubber mats</li> <li>• Wide variety misc.</li> </ul>	<ul style="list-style-type: none"> <li>• Nonstick</li> </ul>	850-321 420-703 532-5010	Gray (Primer) Black (Primer) Clear	850-321 420-703 856-200	Gray (Primer) Black (Primer) Clear (Topcoat)
<b>OFFICE AUTOMATION</b>	<ul style="list-style-type: none"> <li>• Copier, printer &amp; facsimile rolls</li> </ul>	<ul style="list-style-type: none"> <li>• Nonstick</li> </ul>	850-321 855-027 532-5011	Gray (Primer) Silver (Primer) Clear	855-300 855-401 855-500 855-023 855-101 855-103	Silver Silver Silver Black Cond Black Cond Black Cond
<b>PACKAGING</b>	<ul style="list-style-type: none"> <li>• Heat seal bars</li> </ul>	<ul style="list-style-type: none"> <li>• Nonstick</li> </ul>	850-321 856-200	Gray Clear	850-321 456-187 855-401	Gray (Primer) Silver (Topcoat) Silver (Topcoat)
<b>PHARMACEUTICAL</b>	<ul style="list-style-type: none"> <li>• Vessels</li> </ul>	<ul style="list-style-type: none"> <li>• Nonstick</li> <li>• Abrasion resistance</li> </ul>	699-123 532-6110	Black Clear	420-703 532-5012	Black Tan
<b>PAPER</b>	<ul style="list-style-type: none"> <li>• Process rolls</li> </ul>	<ul style="list-style-type: none"> <li>• Corrosion resistance</li> </ul>	850-314 856-204 532-5010	Gray Tan Clear	699-123 532-6114 532-6110	Black Green Clear
<b>TEXTILE</b>	<ul style="list-style-type: none"> <li>• Dryer cans</li> </ul>	<ul style="list-style-type: none"> <li>• Nonstick</li> </ul>	850-314 856-204 856-200	Green Green (2-coats) Clear (2-coats)	850-314 856-204 532-5010	Green Green Clear