



# DOW NUCREL™ ACID COPOLYMERS



6/27/2023

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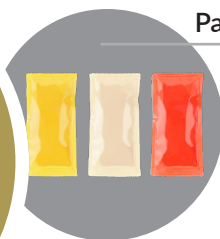


Dow NUCREL™ Acid Copolymers offer dependable performance in all of your packaging and industrial applications. NUCREL™ acid copolymers provide outstanding chemically resistant bonds to metal, metal foils, and other polar materials. NUCREL™ finds use in packaging, wire & cable, protective metal coatings, hot melt adhesives, thermal lamination films, compounding, and aqueous dispersions.

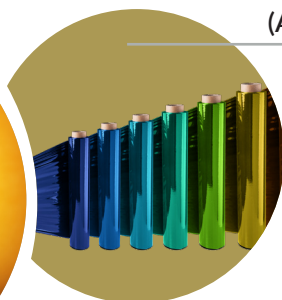
Toothpaste  
Laminates



Condiment  
Packaging



Adhesion Enhancement  
(AE) Grades



PACKAGING  
APPLICATIONS



Aseptic Packaging



Snack Packaging

## PACKAGING ADVANTAGES

- ✓ Low heat seal initiation temperatures
- ✓ Very good hot tack strength
- ✓ Good seal through contamination
- ✓ Excellent taste & odor performance
- ✓ Excellent environmental stress cracking resistance

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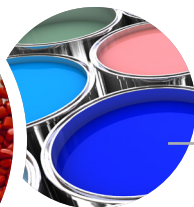
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Polymer Modifier & Carrier  
Resin for Color & Additive  
Concentrates



Modifier in Paint &  
Ink Formulations



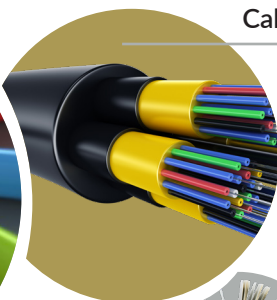
Glass Hot Melt  
Adhesive



Tie Layer in Shock  
Tubes used in  
Explosive Detonator



Cable Jackets



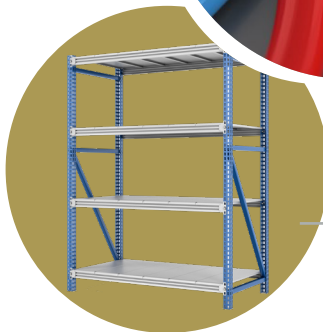
CONSUMER &  
INDUSTRIAL  
APPLICATIONS



Wire &  
Cable







Protective Metal  
Coatings



Aqueous Dispersions  
in Book Bindings

### CONSUMER & INDUSTRIAL ADVANTAGES

-  Excellent bonding to metal
-  Abrasion resistance
-  Ability to hold high levels of fillers  
& flame retardants
-  Superior protective coatings on metal

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GRADE	ACID TYPE	ACID WEIGHT	MELT INDEX (g/10 min.)	FILM	INDUSTRIAL
0403	MAA	4%	3	✓	✓
0407HS	MAA	4%	7	✓	✓
0411HS	MAA	4%	11	✓	✓
599	MAA	10%	450		✓
0609HSA	MAA	6.5%	9	✓	✓
0902HC	MAA	9%	1.5	✓	✓
0903	MAA	9%	2.5	✓	✓
0910 / 0910HS	MAA	8.7%	10	✓	✓
1202HC	MAA	11.5%	1.5	✓	✓
699	MAA	11%	95		✓
925	MAA	15%	25		✓
960	MAA	15%	60		✓
AE	MAA	Proprietary	10	✓	✓
0427HS	MAA	Proprietary	25	✓	✓
30705	AA	7%	5	✓	✓
30707	AA	7%	7	✓	✓
30907	AA	9%	7	✓	✓
31001	AA	9.5%	1.3	✓	✓
3990	AA	9%	10	✓	✓



AE = Adhesion Enhancer: Can be blended at 15-30% into LDPE providing reliable metal adhesion or higher line speed.

HS = High Speed / High Stability: Grades allow for high-speed processing due to improved thermal stability and are capable of running at thin coating thickness.

HC = High Clarity: Film grades provide very low haze and high gloss for applications where transparency is important.

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