

SPECIALITY POLYMERS



BindEX

OPTIM[®]

reCoupp[®]

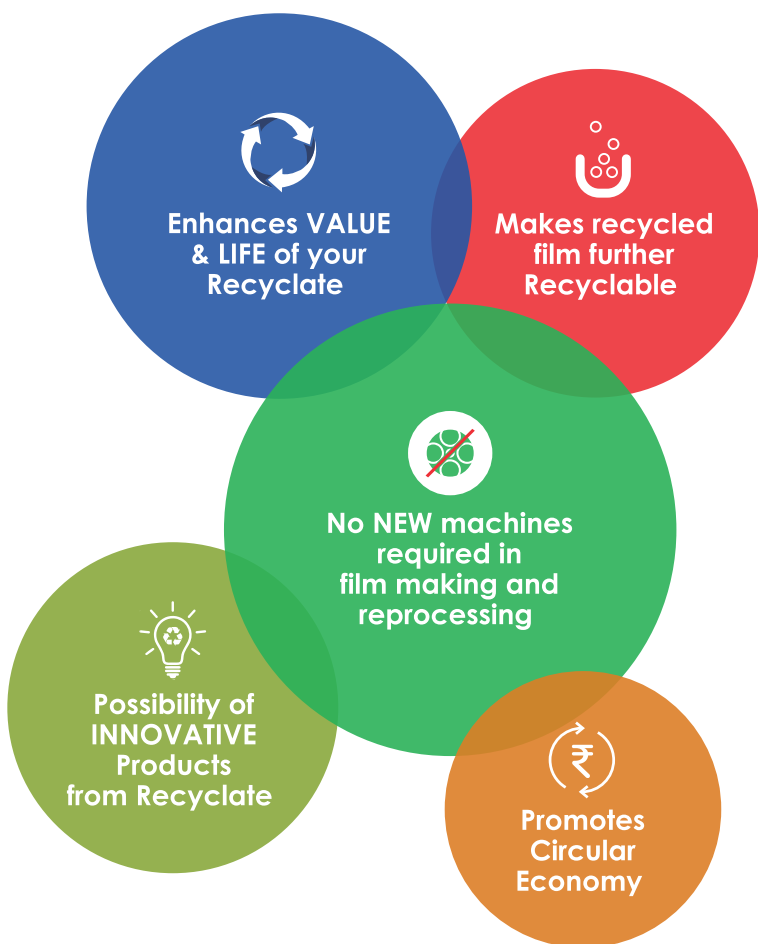
PLUSS[®] | TECHNOLOGY FOR
A BETTER WORLD

reCoupp™

DUAL FUNCTION TIE LAYER RESIN

A **UNIQUE** POLYMER COMPOSITION FOR MULTI-LAYER **FILM-TO-FILM RECYCLING**

reCoupp™ E-832 replaces one of the PE layer materials of multilayer film scrap, allowing it to be recycled into multilayer films again without loss of optical, mechanical or functional properties.



Other Range of Speciality Polymers

OPTIM® | **BindEX** | **Novis** | **Adnyl®**

PRODUCT RANGE

Grade	Base Polymer	PROPERTIES							APPLICATION EXAMPLES																		
		MFI (g/10 min) (@190°C/2.16kg)	MAH Content	Melting Temp. (°C)	Tensile Strength (Mpa)	Elongation (&)	Flexural Modulus (Mpa)	Vicat Softening Temperature (°C)	Auto & White Goods	Filled Nylons	HFFR/ACP Compo unds	WPC	Recycling of multi layer films	Recycling of polyester	Recycling/ Impact Modifier for Nylons	Impact Modifier/ Recycling of PC,PBT	Tie resin in multi layer Lamitubes	Impact Modifier in PP/R-PP, BOPP film waste	Tie resin in Blown Multilayer film	Tie resin in cast Multilayer film	Adhesion promoter in mCPP films	PP flow modifier	Compatibili zer for TPU/TPE blends	Over moulding on ABS	PP filter cartridge/ PP Non woven		
reCoupp™ Series																											
E-832	mLLDPE	1.4	Medium	112	12	700						Yes						Yes									
BindEX E-Series																											
E-183	mLLDPE	6.0	Low	115	14	700														Yes							
E-186	mLLDPE	2.0	Low	114													Yes										
E-187	mLLDPE	1.5	Low	117	16	600												Yes									
E-188	mLLDPE	5.0	Low	114	14	700													Yes								
E-189	mLLDPE	1.3	Medium	111	11	700												Yes									
OPTIM® E - Series																											
E-119	LLDPE	2.0	Medium	125	13	385	315	112			Yes	Yes			Yes												
E-126	LLDPE	0.6	Medium	125	15	31	360	119	Yes	Yes	Yes			Yes													
E-131	ULDPE	0.6	High	80	5	825	19	58	Yes	Yes	Yes			Yes													
E-156	HDPE	7.0	Medium	129	11	10	670	121				Yes															
GE-344	ULDPE	3.5	High	54	6	>1000	17	50							Yes												
OPTIM® R - Series																											
R-656	EPR	2.5	High	N/A	9	650		67			Yes	Yes			Yes			Yes									
R-658	EPR	6.0	LOW	N/A	7	700		65	Yes	Yes				Yes				Yes					Yes	Yes			
OPTIM® P - Series																											
P-408	PP Homo Polymer	50.0	Very High	162	34	9	1750	153	Yes	Yes		Yes															
P-425	PP Homo Polymer	110.0	Very High	161	29	6	1850	150	Yes			Yes															
ADNYL® Series																											
E-177	Nylon + VLDPE	0.3**	Medium		6	4	375	49	Yes	Yes				Yes													
OPTIPET™ Series																											
213-M	Oligomer Masterbatch	4.0-8.0	N/A	163	5	>1000	165	50					Yes														
214-M	Oligomer Masterbatch	4.0-8.0	N/A	163	5	>1000	165	50						Yes													
NOVIS Series																											
P-390	PP Homo Polymer	N/A	N/A																		Yes						
P-490	PP Homo Polymer	1650***	N/A	161	16	4	1150	149													Yes				Yes		

*In GE-344, it is GMA content instead of MAH

235°C/2.16 Kg. *230°C/2.16 Kg.

NOTE: MFI's stated above are nominal values and are measured at standard 190° C/2.16 Kg, unless stated otherwise. Actual values lie in a range. Consult product datasheet for details.



State-of-the-art Factory and Laboratory



Customized Packaging

SPECIALITY POLYMERS

PLUS[®] has been a constant trendsetter in the field of functionalized polymers which serve to enhance the mechanical properties and processing conditions of polymer compounds, blends and alloys.

Speciality polymers are chemically modified polymers used as coupling agents, compatibilizers, impact modifiers, tie-layer adhesive resins, metal adhesion promoters, flow modifiers and chain extenders for polymer compounds, blends and alloys. These are produced by chemical grafting of reactive monomers like maleic anhydride, glycidyl methacrylate and other

similar materials on the base polyolefines. They possess superior properties than the simple polyolefines in terms of polarity, adhesion to different substrates, and compatibility with reinforcements and fillers.

PLUS[®] produces and markets these speciality polymers under the brand names OPTIM[®], BindEX, NOVIS, ADNYL[™], OPTIPET[™]. These enhance properties of polymer compounds thus enabling their increased adoption in automotive, wire & cable, wood plastics composites, flexible packaging, white goods and recycling industries besides several others.

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