DOW FUSABOND™ FUNCTIONAL POLYMERS

Dow FUSABOND™ functionalized polymers help to improve compound performance by acting as a compatibilizer, coupling agent or impact modifiers. Some grades are also used as an adhesive in pipe coating applications.

GRADE	MELT FLOW RATE (190C/2.16kg)	DENSITY	RESIN FAMILY	MAH LEVEL	PROCESS	APPLICATIONS / USES
C190	16.0	0.950	EVA	---	Compounding	Compatibilizer & coupling agent, good for non-halogenated flame retardants
C250	1.4	0.962	EVA	Ultra High >1%	Compounding	Compatibilizer & coupling agent, good for non-halogenated flame retardants
E204	12.0	0.954	HDPE	Ultra High >1%	Film	Concentrate for use in improving adhesion of PE to nylon and EVOH
E205	2.0	0.960	HDPE	Ultra High >1%	Film	Compatibilizer & adhesion promoter, tie layer, polymer modification
E226	1.75	0.930	LLDPE	High 0.5 - 0 1%	Compounding	Compatibilizer & coupling agent, good for WPC & non-halogenated flame retardants
E265	12.0	0.950	HDPE	High 0.5 - 0 1%	Compounding	Compatibilizer & coupling agent, good for WPC & non-halogenated flame retardants
E528	6.7	0.922	PE	Ultra High >1%	Compounding	Compatibilizer & coupling agent for filled polyolefin compounds
N216	1.3	0.870	POE	High 0.5 - 0 1%	Compounding	Impact modifier for nylon
N416	23.0	0.869	EPDM	High 0.5 - 0 1%	Compounding	Impact modifier for nylon 66
N493	1.6	0.870	POE	Medium 0.2 - 0.5%	Compounding	High performance impact modifier for nylon 6
N525	3.7	0.880	POE	High 0.5 - 0 1%	Compounding	Impact modifier for nylon
N598	2.0	0.870	Ethylene Copolymer	Medium 0.2 - 0.5%	Compounding	Impact modifier for nylon, reduces melt viscosity
P613	120.0	0.903	PP	High 0.5 - 0 1%	Compounding	Coupling agent for PP compounds & glass fiber sizing used in PP - glass filled compounds
P353	22.4 (160C/0.325kg)	0.904	PP	Ultra High >1%	Compounding	Coupling agent for PP compounds & glass fiber sizing used in PP - glass filled compounds

Common Applications

- Impact Modification of Nylon
- Compatibilizing of Dissimilar Polymers or Polymer Blends
- Coupling Agent
- Adhesion Promoter
- Pipe Coatings