Elvaloy™

copolymers for alloys by DOW®

Elvaloy™ AC

acrylate copolymers by DOW®

DOW®

DOW ELVALOY™ FOR IMPACT MODIFICATION OF ABS

ENTEC

DOW ELVALOY™ FOR IMPACT MODIFICATION OF ABS

Dow Elvaloy™ and Elvaloy™ AC is a family of ethylene acrylate copolymers that can be used for the impact modification of prime or recycled ABS compounds. While methyl acrylate copolymers typically offer the best impact improvement in ABS, butyl acrylate and butyl acrylate / carbon monoxide copolymers are also utilized in some applications. Loading levels of 5% to 10% Elvaloy™ or Elvaloy™ AC can dramatically improve the impact performance of ABS compounds. Elvaloy™ HP4051, alone or in combination with other grades of Elvaloy™ AC, can improve impact performance while also increasing the melt flow of the final ABS compound.

PROPERTY	UNITS	TEST METHOD	ELVALOY AC 1125	ELVALOY AC 1224	ELVALOY AC 1330	ELVALOY AC 3427	ELVALOY HP4051
Methyl Acrylate Content	%	---	25	24	30	---	---
Butyl Acrylate Content	%	---	---	---	---	27	---
Density	g/cm^3	ASTM D792	0.944	0.944	0.950	0.936	1.000
Melt Flow Rate	g/10 min.	ASTM D1238	0.5	2	3	4	12
Vicat Softening Temperature	°C	ASTM D1525	48	48	---	45	---
Melting Temperature	°C	ASTM D3418	90	91	85	94	59

IMPACT PERFORMANCE AT DIFFERENT TEMPEARTURES AND LOADING LEVELS