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POLYPROPYLENE

JULY 2014 REV. 5 (66256)

EW850

HIGH DENSITY POLYPROPYLENE COMPOUND

DESCRIPTION

EW850 *has naturally a greyish black colour, it is a mineral filled polypropylene compound with a high density and intended for injection moulding.*

The product is only available in naturally greyish black.

EW850 *has been developed for applications where high density, low shrinkage & warpage good surface finish and good flow properties are necessary.*

APPLICATIONS

High density and such as:

- *Building and construction*
- *Cosmetics mouldings*
- *Appliances*

PHYSICAL PROPERTIES[1)]

	Typical Value*	Unit	Test Method
Density	3000	Kg/m^3	ISO 1183
Melt Flow Rate (230°C/2.16 Kg)	15	g/10 min	ISO 1133
Shrinkage (2 mm)	1,15	%	AD majoris
Elongation at break	8	%	ISO 527-2
Tensile modulus	6750	MPa	ISO 527-2
Flexural modulus	4050	MPa	ISO 178
Charpy Impact Strength(notched, + 23°C)	5	KJ/m^2	ISO 179/1eA
Charpy impact strength, (unnotched, + 23°C)	33	KJ/m^2	ISO 180/1eU
Heat Deflection Temp.			
(0.46 MPa)	95	°C	ISO 75
(1.82 MPa)	70	°C	ISO 75
Specific volume resistivity	1, E+05	Ω m	IEC 60050
Specific surface resistivity	1, E+03	Ω/	IEC 60050
Thermal conductivity	0.9	W/K.m	
Flammability	HB		UL 94

1): Values determined on standard injection moulded specimens conditioned at 23°C and 50% relative humidity.

*** Data should not be used for specification work.**

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PROCESSING

EW850 *is easy to process with standard injection moulding machines. Following moulding parameters should be used as guidelines:*

Melt temperature:	220 - 270°C
Injection speed:	medium
Hold-on pressure:	50 - 70 % of the injection pressure
Mould temperature:	30 - 50°C
Dry:	3 hours at 80°C

STORAGE AND HANDLING

EW850 *should be stored in dry conditions at temperatures below 50°C and protected from UV- light.*

Improper storage can initiate degradation with resulting odour generation and colour changes.

SAFETY

EW850 *is not classified as a dangerous product.*

Dust and fines from the product may give a risk for dust explosion. All equipment should be properly earthed.

Inhalation of dust should be avoided as it may cause irritation of the respiratory system.

During processing of the product small amounts of fumes are generated, which require proper ventilation.

RECYCLING

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

A Safety Data Sheet is available on request. Please contact your AD majoris representative for more details on various aspects of safety, recovery and disposal of the product.

The recommendations and data given are based on our experience to date, but no liability can be assumed in connection with their usage.