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POLYPROPYLENE

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EW 221

20 % MINERAL FILLED POLYPROPYLENE COMPOUND

DESCRIPTION

EW 221 *is a 20% mineral filled, special white polypropylene compound intended for injection moulding.*

EW 221 *has been developed especially for applications requiring high detergent resistancy and very good surface quality.*
The product is available in natural and black (**EW 221- 8229**) *but other colours can be provided on request.*

The good flow ability of **EW 221** *makes it very easy to process complicated parts with long flow paths.*

APPLICATION

– *Dishwasher components*
– *Household appliances*
– *Washing machine parts*
– *Electrical applications*

PHYSICAL PROPERTIES[1)]

	Typical Value*	Unit	Test Method
Melt Flow Rate (230°C/2.16 Kg)	14	g/10 min	ISO 1133
Density	1060	Kg/m^3	ISO 1183
Tensile strength at yield (50 mm/min)	25	MPa	ISO 527-2
Strain at yield (50 mm/min)	10	%	ISO 527-2
Flexural modulus (2 mm/min)	2200	MPa	ISO 178
Charpy impact (notched, + 23 °C)	4	KJ/m^2	ISO 179
Heat Deflection Temp. (0.46 MPa)	115	°C	ISO 75-2
Flammability	HB	-	UL 94
Shrinkage	1 – 1,3	%	AD majoris

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

EW 221 *is easy to process with standard injection moulding machines. Following moulding parameters should be used as guidelines.*

Melt temperature	210°C-260°C
Injection speed	medium
Hold-on pressure	50 -70 % of the injection pressure
Mould temperature	30 - 50°C, higher mould temperatures tend to give better gloss.

STORAGE AND HANDLING

EW 221 *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

EW 221 *is not classified as a dangerous preparation.*

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

Inhalation of dust may irritate the respiratory system and should be avoided.

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.