

POLYPROPYLENE

JUNE 2014 REV. 1 (65606)

FT342 - 8139

POLYPROPYLENE COMPOUND

30 % MINERAL FILLED

DESCRIPTION

FT342 - 8139 is a grey colour, 30% mineral filled polypropylene compound intended for injection moulding.

The product is available in natural **FT342** but other colours can be provided on request.

FT342 - 8139 is intended for components which require good long term heat resistance, it has a high heat distortion temperature, good rigidity, low shrinkage and good dimensional stability.

APPLICATIONS

- Dashboard items
- Fuse and connector boxes
- Miscellaneous electrical components
- Technical components

PHYSICAL PROPERTIES¹⁾

	Typical Value*	Unit	Test Method
Density	1140	Kg/m ³	ISO 1183
Melt Flow Rate (230°C/2.16 Kg)	15	g/10 min	ISO 1133
Tensile stress at yield (50 mm/min)	30	MPa	ISO 527-2
Tensile strain at break (50 mm/min)	10	%	ISO 527-2
Flexural modulus (2 mm/min)	2900	MPa	ISO 178
Izod Impact Strength (notched, + 23°C)	25	J/m	ASTM D 256
Heat Deflection Temp. (0,45 N/mm ²)	127	°C	ISO 75
(1,80 N/mm ²)	73	°C	ISO 75
Vicat softening temp.			
B/50 (50N)	98	°C	ISO 306
Shrinkage	0,7 - 0,9	%	-
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.

PROCESSING

FT342 - 8139 is easy to process with standard injection moulding machines. Following moulding parameters should be used as guidelines.

Melt temperature : 220°C - 270°C

Injection speed : medium

Hold-on pressure: 50 - 70 % of the injection pressure

Mould temperature : 30°C - 50°C

Dry: 80°C/3 hours

STORAGE AND HANDLING

FT342 - 8139 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

FT342 - 8139 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.

