POLYMER COMPOUNDERS LIMITED

ABSCOM™ F350

Acrylonitrile Styrene Butadiene

ABSCOM F350 is a GP ABS injection moulding grade.

Physical Properties	Typical Value	Unit	Test Method based on
Density	1040	Kg/m^3	ISO 1183
Water absorption (23°C, sat)	0.60	%	ISO 62
Moisture absorption (23°C, 50% RH)	0.20	%	ISO 62
Mould shrinkage	0.4-0.7	%	ISO 294
Melt Flow (220°C / 10 kg)	38	g/10 min	ISO 1133
Flammability (1.5mm)	HB		UL94
Flammability (0.8mm)	HB		UL94

All data given are typical product data and do not represent minimum values.
The actual value may vary depending on colour and additives.

Edwardson Road, Meadowfield Industrial Estate, Meadowfield, Durham, DH7 8RL, UK

tel: +44 (0)191 378 37 37 **fax:** +44 (0)191 378 17 17

www.polymer-compounders.com

POLYMER COMPOUNDERS LIMITED

ABSCOM™ F350

Mechanical Properties	Typical Value	Unit	Test Method based on
Tensile Strength at Yield (50mm/min)	49	MPa	ISO 527
Elongation at Break	50.0	%	ISO 527
Tensile Modulus (1mm/min)	2200	MPa	ISO 527
Flexural Modulus	2050	MPa	ISO 527
Flexural Strength	50	MPa	ISO 178
Izod Notched Impact (RT)	15	kJ/m2	ISO 180/1A
Charpy Notched Impact (RT)	16	kJ/m2	ISO 179/1eA
Charpy Unnotched Impact (RT)	NB	kJ/m2	ISO 179/1eU
CTI	175	V	IEC 60112
Relative permittivity, 1Mhz	2.9		IEC 60250

All data given are typical product data and do not represent minimum values.
The actual value may vary depending on colour and additives.

Edwardson Road, Meadowfield Industrial Estate, Meadowfield, Durham, DH7 8RL, UK

tel: +44 (0)191 378 37 37 **fax:** +44 (0)191 378 17 17

www.polymer-compounders.com

POLYMER COMPOUNDERS LIMITED

ABSCOM™ F350

Thermal Properties	Typical Value	Unit	Test Method based on
CTE linear	7.0E-05	1/°C	ISO 11359-2 (Parallel)
HDT (0.46 MPa)	88	°C	ISO 75/Ae
HDT (1.8 MPa)	90	°C	ISO 75/Ae
Vicat Softening point (B/50)	99	°C	ISO 306

Processing Properties	Typical Value	Unit
Melt Temperature	235	°C
Mould Temperature	60	°C
Injection Velocity	60.0	mm/s
Drying Time	2 to 4	hr
Drying Temperature	80	°C

All data given are typical product data and do not represent minimum values.
The actual value may vary depending on colour and additives.

Edwardson Road, Meadowfield Industrial Estate, Meadowfield, Durham, DH7 8RL, UK

tel: +44 (0)191 378 37 37 **fax:** +44 (0)191 378 17 17

www.polymer-compounders.com