

EMAREX® 300 GF13

Polyamide 6

MRC Polymers, Inc.

Message:

Further information and details are available upon request.

Available in Black ONLY

Can be Heat Stabilized

Can be UV Stabilized

Glass Fiber Content can vary between 13 to 43 %

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 13% filler by weight		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 - 0.70	%	ASTM D955
Water Absorption (24 hr)	1.2	%	ASTM D570
Relative Viscosity	50	mPa · s	ASTM D789
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	86.2	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	3790	MPa	ASTM D790
Flexural Strength	138	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	213	°C	ASTM D648
1.8 MPa, not annealed	193	°C	ASTM D648
Melting Temperature	215	°C	ASTM D789
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0 - 6.0	hr	
Dew Point	< -17.8	°C	
Suggested Max Moisture	0.18	%	
Rear Temperature	249 - 271	°C	
Middle Temperature	260 - 282	°C	
Front Temperature	271 - 293	°C	

Nozzle Temperature	271 - 293	°C
Processing (Melt) Temp	260 - 282	°C
Mold Temperature	37.8 - 93.3	°C
Injection Pressure	6.89 - 138	MPa
Injection Rate	Moderate	
Back Pressure	0.00 - 0.517	MPa
Screw Speed	30 - 75	rpm
Cushion	6.35	mm

Injection instructions

Packing: 50 - 75% of injection pressure Hold: 40 - 60% of injection pressure Airflow Rate: 0.8 - 1.0 CFM per lb/hour resin processed

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Recommended distributors for this material

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