

EMAREX® 300 GF33

Polyamide 6

MRC Polymers, Inc.

Message:

EMAREX® 300 GF33 is a Polyamide 6 (Nylon 6) material filled with 33% glass fiber. It is available in North America. Primary attribute of EMAREX® 300 GF33: Heat Stabilizer.

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.30	%	ASTM D955
Water Absorption (24 hr)	1.1	%	ASTM D570
Relative Viscosity	50	mPa·s	ASTM D789
Reinforcement Content	31 to 35	%	ASTM D2584
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	138	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	7680	MPa	ASTM D790
Flexural Strength	207	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	216	°C	
1.8 MPa, Unannealed	200	°C	
Melting Temperature	215	°C	ASTM D789

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Recommended distributors for this material

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