

EMAREX® 400

Polyamide 66

MRC Polymers, Inc.

Message:

Further information and details are available upon request.

Can be Heat Stabilized

Can be UV Stabilized

Available in Black ONLY

General Information			
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.5	%	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)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	75.8	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	124	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	850	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	235	°C	ASTM D648
1.8 MPa, not annealed	70.0	°C	ASTM D648
Melting Temperature	265	°C	ASTM D789
Injection	Nominal Value	Unit	
Drying Temperature	82.2 - 93.3	°C	
Drying Time	4.0 - 6.0	hr	
Dew Point	< -17.8	°C	
Suggested Max Moisture	0.020	%	
Rear Temperature	260 - 277	°C	
Middle Temperature	271 - 282	°C	
Front Temperature	271 - 288	°C	
Nozzle Temperature	266 - 288	°C	
Processing (Melt) Temp	266 - 288	°C	

Mold Temperature	37.8 - 82.2	°C
Injection Pressure	68.9 - 138	MPa
Injection Rate	Moderate	
Back Pressure	0.345 - 1.21	MPa
Screw Speed	50 - 75	rpm
Cushion	6.35	mm

Injection instructions

Packing: 50 to 75% of injection pressureHold: 40 to 60% of injection pressureAir Flow Rate: 0.8-1.0 CFM per lb/hour resin processed

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT