

Chemlon® 133 G

Teknor Apex Company (Chem Polymer) - Polyamide 66

Friday, June 30, 2017

General Information

General

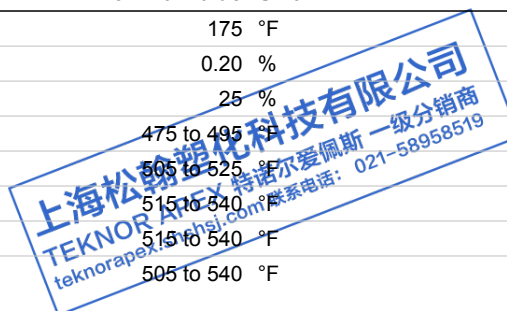
Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber, 33% Filler by Weight
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38		ASTM D792
Molding Shrinkage - Flow	1.5E-3 to 4.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.90	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	25500	psi	ASTM D638
Tensile Elongation (Yield)	3.0	%	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	1.25E+6	psi	ASTM D790
Flexural Strength	40000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	2.0	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	480	°F	ASTM D648
Melting Temperature	495	°F	DSC
CLTE - Flow	2.8E-5	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength (0.118 in)	410	V/mil	ASTM D149
Comparative Tracking Index (CTI)	600	V	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.030 in)	HB		UL 94
Oxygen Index	25	%	ASTM D2863
FMVSS Flammability	PASSES		FMVSS 302

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	175	°F
Suggested Max Moisture	0.20	%
Suggested Max Regrind	25	%
Rear Temperature	475 to 495	°F
Middle Temperature	505 to 525	°F
Front Temperature	515 to 540	°F
Nozzle Temperature	515 to 540	°F
Processing (Melt) Temp	505 to 540	°F



Revision Date: 4/28/2010

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Notes

¹ Typical properties: these are not to be construed as specifications.

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*In U.S. for Vinyls, TPEs, Colorants,
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