

Chemion® MDF4L

Teknor Apex Company (Chem Polymer) - Polyamide 6

Commercial: Active Commercial: Active Glass Fiber, 15% Filler by W UV Stabilizer Good Surface Finish		coupled with good	surface finish and
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EuropeGlass Fiber, 15% Filler by WUV StabilizerGood Surface Finish	eight eight		
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Glass Fiber, 15% Filler by WUV StabilizerGood Surface Finish	eight eight		
UV Stabilizer Good Surface Finish	eight		
Good Surface Finish			
	Light Stabilized	Weather F	Resistant
 Injection Molding 	<u> </u>		
ASTM & ISO	Properties ¹		
Dry	Conditioned	Unit	Test Method
1.25		g/cm³	ISO 1183
1.0 to 1.6		%	Internal Method
			ISO 62
2.5		%	
Dry	Conditioned	Unit	Test Method
841000		psi	ISO 527-2
14500	10200	psi	ISO 527-2
3.0		%	ISO 527-2
754000	392000	psi	ISO 178
23900	12300	psi	ISO 178
Dry	Conditioned	Unit	Test Method
3.8	14	ft·lb/in²	ISO 179/1eA
14		ft·lb/in²	ISO 179/1eU
3.1		ft·lb/in²	ISO 180/A
Dry	Conditioned	Unit	Test Method
			ISO 75-2/B
> 392		°F	
			ISO 75-2/A
374		°F	
Dry	Conditioned	Unit	Test Method
1.0E+14	1.0E+12	ohms	IEC 60093
1.0E+16	1.0E+14	ohms·cm	IEC 60093
280	200	V/mil	IEC 60243-1
525		V	IEC 60112
Dry	Conditioned	Unit	Test Method
22		%	ISO 4589-2
Processing I			
	Dry 1.25 1.0 to 1.6 2.5 Dry 841000 14500 3.0 754000 23900 Dry 3.8 14 3.1 Dry > 392 374 Dry 1.0E+14 1.0E+16 280 525 Dry 22	1.25 1.0 to 1.6 2.5 Dry Conditioned 841000 14500 10200 3.0 754000 392000 23900 12300 Dry Conditioned 3.8 14 14 3.1 Dry Conditioned > 392 374 Dry Conditioned 1.0E+14 1.0E+12 1.0E+16 1.0E+14 280 200 525 Dry Conditioned	Dry Conditioned Unit 1.25 g/cm³ 1.0 to 1.6 % 2.5 % Dry Conditioned Unit 841000 psi 14500 10200 psi 3.0 % 754000 392000 psi 23900 12300 psi Dry Conditioned Unit 3.8 14 ft·lb/in² 14 ft·lb/in² 3.1 ft·lb/in² Dry Conditioned Unit > 392 °F 374 °F Dry Conditioned Unit 1.0E+14 1.0E+12 ohms 1.0E+16 1.0E+14 ohms·cm 280 200 V/mil 525 V Dry Conditioned Unit 22

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njection	Dry Unit
Front Temperature	446 to 536 °F
Processing (Melt) Temp	464 to 554 °F
Mold Temperature	140 to 194 °F
Injection Rate	Fast
Back Pressure	Low
Screw Speed	Moderate

No drying is necessary unless the material has been exposed to air for longer than three hours. The appearance of splash marks on the surface of mouldings indicates excessive moisture is present.

Notes

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

² Mould shrinkage is significantly influenced by many factors including wall thickness, gating, moulding shape and processing conditions. The range values given are determined from specimen bar mouldings of 1.5mm to 4mm wall thickness. They are provided as a guide for comparison purposes only and no guarantee should be inferred from their inclusion. (Specimens measured in the dry state, 24 hours after moulding).