Chemlon® A60XT

Polyamide 66

Teknor Apex Company (Chem Polymer)

Message:

A60XT is a modified nylon 66 that offers high impact strength coupled with good rigidity.

General Information			
Additive	Impact modifier		
Features	Impact modification Impact resistance, high Medium hardness		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.10	g/cm³	ISO 1183
Molding Shrinkage [1]	1.6 - 2.3	%	Internal method
Water Absorption (Equilibrium, 23°C, 50% RH)	2.3	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2100	MPa	ISO 527-2
Tensile Stress	58.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	6.0	%	ISO 527-2
Fracture	30	%	ISO 527-2
Flexural Modulus	2000	MPa	ISO 178
Flexural Stress	65.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	35	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, not annealed	185	°C	ISO 75-2/B
1.8 MPa, not annealed	70.0	°C	ISO 75-2/A
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+16	ohms·cm	IEC 60093
Comparative Tracking Index	600	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.50 mm, Teknor Apex test result)	HB		UL 94
Oxygen Index	22	%	ISO 4589-2

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	2.0	hr
Rear Temperature	270 - 290	°C
Middle Temperature	270 - 290	°C
Front Temperature	270 - 290	°C
Processing (Melt) Temp	270 - 290	°C
Mold Temperature	60.0 - 80.0	°C
Injection Rate	Fast	
Back Pressure	Low	
Screw Speed	Moderate	

Injection instructions
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.

NOTE	
1.	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).

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