Chemlon® 66AT

Polyamide 66

Teknor Apex Company (Chem Polymer)

Message:

66AT is an unfilled, modified nylon 66 that offers good low temperature impact strength and toughness, coupled with reasonable rigidity.

General Information			
Additive	Impact modifier		
Features	Impact modification Low Temperature Flexibility Low temperature impact resistance Medium hardness		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.12	g/cm³	ISO 1183
Molding Shrinkage [1]	1.5 - 2.5	%	Internal method
Water Absorption (Equilibrium, 23°C, 50% RH)	2.4	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2600	MPa	ISO 527-2
Tensile Stress	75.0	MPa	ISO 527-2
Tensile Strain (Break)	25	%	ISO 527-2
Flexural Modulus	2500	MPa	ISO 178
Flexural Stress	75.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	6.0	kJ/m²	ISO 180/A
Flammability	**Nominal Value**	**Unit**	**Test Method**
Oxygen Index	23	%	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	80.0 - 90.0	°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

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