

Product Texts

Chemlon® 500 Series products comprise a full range of engineering thermoplastics based on recycled polyamide 66. Teknor Apex recommends the compounds for automotive, office furniture, and other applications where cost savings or mandates for recycled content are key considerations.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	2.0	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2500	MPa	ISO 527
Tensile Strength	58	MPa	ISO 527
Strain at break	30	%	ISO 527
Flexural modulus, 23°C	2300	MPa	ISO 178
Charpy notched impact strength, +23°C	17.5	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	17	kJ/m ²	ISO 180/1A
Izod notched impact strength	13	kJ/m ²	ISO 180/1A
Temperature	-40	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	60	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	70	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

Other properties	Value	Unit	Test Standard
Density	1110	kg/m ³	ISO 1183

Characteristics**Certifications**

Recycled Resin Content

Regional Availability

Europe

Applications

Automotive