

Chemlon® 253 U

Polyamide 6

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® 253 U is a Polyamide 6 (Nylon 6) material. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Chemlon® 253 U are:

- Flame Rated
- Good Toughness
- Impact Modified
- Medium Viscosity
- UV Stabilized

General Information			
Additive	Impact Modifier		
	UV Stabilizer		
Features	General Purpose		
	Good Toughness		
	Impact Modified		
	Medium Viscosity		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	62.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	50	%	ASTM D638
Flexural Modulus (23°C)	2240	MPa	ASTM D790
Flexural Strength (23°C)	86.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	54.4	°C	ASTM D648
Melting Temperature	210	°C	
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	65.6 to 82.2	°C	
Suggested Max Moisture	0.20	%	

Rear Temperature	243	°C
Middle Temperature	232	°C
Front Temperature	227	°C
Nozzle Temperature	232	°C
Mold Temperature	21.1 to 93.3	°C
Injection Pressure	34.5 to 138	MPa
Screw Speed	60 to 120	rpm

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Recommended distributors for this material

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