

# TAROBLEND 85 X0

Polycarbonate + ABS

Taro Plast S.p.A.

## Message:

PC/ABS alloy self extinguishing UL94 V0, high thermal resistance, good mechanical properties and dimensional stability.

UL94 approved V0 all colors at 1,7 mm. UL746B approved.

Available: all colors.

General Information			
UL YellowCard	E143048-223235		
Features	Good Dimensional Stability High Heat Resistance Self Extinguishing		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D792, ISO 1183
Molding Shrinkage			ASTM D955
Flow	0.40 to 0.70	%	
Across Flow	0.40 to 0.70	%	
Water Absorption			
23°C, 24 hr	0.10	%	ASTM D570, ISO 62
Saturation	0.40	%	ASTM D570
Saturation, 23°C	0.40	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	50.0	MPa	ASTM D638, ISO 527-2
Flexural Modulus	2100	MPa	ASTM D790, ISO 178
Flexural Stress			
-- <sup>1</sup>	70.0	MPa	ISO 178
Yield	70.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength <sup>2</sup> (23°C)	20	kJ/m <sup>2</sup>	ASTM D256, ISO 179
Charpy Unnotched Impact Strength <sup>3</sup> (23°C)	No Break		ASTM D256, ISO 179
Notched Izod Impact	500	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	110	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature			

--	135	°C	ASTM D1525, ISO 306/A50 5 <sup>4</sup>
--	125	°C	ASTM D1525, ISO 306/B50 6 <sup>5</sup>
Ball Pressure Test (125°C)	Pass		VDE 0470
<b>Electrical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Comparative Tracking Index (Solution A)	> 200	V	IEC 60112
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flame Rating (1.70 mm)	V-0		UL 94
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13
<b>Injection</b>	<b>Nominal Value</b>	<b>Unit</b>	
<b>Drying Temperature</b>			
--	80.0	°C	
Pre-heater	80.0 to 100	°C	
<b>Drying Time</b>			
--	1.0	hr	
Pre-heater	3.0	hr	
Processing (Melt) Temp	230 to 270	°C	
Mold Temperature	50.0 to 70.0	°C	
Injection Rate	Moderate		
<b>NOTE</b>			
1.	Yield		
2.	6x4x50 mm		
3.	6x4x50 mm		
4.	Rate A (50°C/h), Loading 1 (10 N)		
5.	Rate A (50°C/h), Loading 2 (50 N)		

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#### Recommended distributors for this material

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