

TAROBLEND 30

Polycarbonate + ABS

Taro Plast S.p.A.

Message:

TAROBLEND 30 is a Polycarbonate + ABS (PC+ABS) product. It can be processed by injection molding and is available in Europe. Typical application: Automotive. Primary characteristic: flame rated.

General Information			
Features	Good Flow		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.09 to 1.11	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	16	g/10 min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow	0.40 to 0.70	%	
Flow	0.40 to 0.70	%	
Water Absorption			ISO 62
23°C, 24 hr	0.25	%	
Saturation, 23°C	0.65	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1950	MPa	ISO 527-2/1
Tensile Stress (Yield)	44.0	MPa	ISO 527-2/50
Tensile Strain (Break)	25	%	ISO 527-2/50
Flexural Modulus ¹	2100	MPa	ISO 178
Flexural Stress ²	68.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	20	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	350	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	98.0	°C	ISO 75-2/A
Continuous Use Temperature ³	60.0	°C	IEC 60216
Vicat Softening Temperature			
--	118	°C	ISO 306/A50
--	112	°C	ISO 306/B50
CLTE - Flow (-30 to 30°C)	6.5E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms·cm	IEC 60093
Electric Strength (2.00 mm)	22	kV/mm	IEC 60243-1

Comparative Tracking Index (Solution A)	550	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Flammability Index (2.00 mm)	550	°C	IEC 60695-2-12
Oxygen Index	21	%	ASTM D2863
Injection	Nominal Value	Unit	
Drying Temperature			
--	80.0	°C	
Pre-heater	80.0 to 90.0	°C	
Drying Time			
--	1.0	hr	
Pre-heater	3.0	hr	
Processing (Melt) Temp	200 to 240	°C	
Mold Temperature	50.0 to 70.0	°C	
Injection Rate	Moderate		
NOTE			
1.	1.0 mm/min		
2.	1.0 mm/min		
3.	20000 hrs		

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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



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