

Generic ABS+PC - Unspecified

Polycarbonate + ABS

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic ABS+PC - Unspecified
This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Filler		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.25 to 1.30	g/cm ³	ASTM D792
23°C	1.18 to 1.40	g/cm ³	ISO 1183
Molding Shrinkage			
Flow : 23°C	0.35 to 0.50	%	ASTM D955
23°C	0.20 to 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2500 to 9000	MPa	ISO 527-2
Tensile Strength			
Yield, 23°C	55.8 to 65.0	MPa	ASTM D638
Break, 23°C	39.0 to 65.4	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield, 23°C	2.0 to 4.0	%	
Break, 23°C	2.0 to 37	%	
Flexural Modulus			
23°C	3030 to 6890	MPa	ASTM D790
23°C	3330 to 8000	MPa	ISO 178
Flexural Stress (23°C)	84.0 to 116	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.7 to 20	kJ/m ²	ISO 179
Notched Izod Impact (23°C)	47 to 200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	95.0 to 133	°C	ISO 75-2/B
1.8 MPa, Unannealed	83.0 to 130	°C	ASTM D648
1.8 MPa, Unannealed	80.0 to 130	°C	ISO 75-2/A
Vicat Softening Temperature	98.0 to 142	°C	ISO 306
CLTE			ISO 11359-2
Flow	3.0E-5 to 5.5E-5	cm/cm/°C	
Transverse	3.5E-5 to 7.0E-5	cm/cm/°C	

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	9.8E+15 to 1.0E+16	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Glow Wire Ignition Temperature	743 to 751	°C	IEC 60695-2-13

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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

