

Makroblend DP 7665

Polycarbonate + PET

Covestro - Polycarbonates

Message:

(PC+PET)-blend, impact modified, Injection molding grade 20 % mineral filled,

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.35	g/cm ³	ISO 1183
Apparent Density	0.70	g/cm ³	ISO 60
Melt Volume-Flow Rate (MVR) (270°C/5.0 kg)	14.0	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 2577
Across Flow ¹	0.50 to 0.70	%	
Across Flow : 90°C, 1 hr	0.10 to 0.20	%	
Flow ²	0.50 to 0.70	%	
Flow : 90°C, 1 hr	0.10 to 0.20	%	
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	95.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4200	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield, 23°C	50.0	MPa	
Break, 23°C	50.0	MPa	
Tensile Strain (Yield, 23°C)	3.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	9.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength			ISO 180
-30°C	60	kJ/m ²	
23°C	85	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	130	°C	ISO 75-2/B
1.8 MPa, Unannealed	112	°C	ISO 75-2/A
Vicat Softening Temperature	135	°C	ISO 306/B120

CLTE			ISO 11359-2
Flow : 23 to 55°C	5.0E-5	cm/cm/°C	
Transverse : 23 to 55°C	5.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+17	ohms	IEC 60093
Volume Resistivity (23°C)	> 1.0E+17	ohms · cm	IEC 60093
Electric Strength (23°C, 1.00 mm)	40	kV/mm	IEC 60243-1
Relative Permittivity			IEC 60250
23°C, 100 Hz	3.70		
23°C, 1 MHz	3.50		
Dissipation Factor			IEC 60250
23°C, 100 Hz	5.0E-3		
23°C, 1 MHz	0.020		
Comparative Tracking Index			IEC 60112
Solution A	300	V	
Solution B	100	V	
Flammability	Nominal Value	Unit	Test Method
Burning Rate - US-FMVSS (> 1.00 mm)	passed		ISO 3795
Electrolytical Corrosion (23°C)	A1		IEC 60426
ISO Shortname	ISO 7792-1-PC/PET,MHPR,-030,MD20		
NOTE			
1.	600 bar		
2.	600 bar		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

