

Makroblend UT250

Polycarbonate + PET

Covestro - Polycarbonates

Message:

(PC+PET)-blend, impact modified, easy release, injection molding. Makroblend UT250 offers high heat resistance, good chemical resistance and flowability. Additionally, molded parts from UT250 having exceptional dimensional stability.

General Information			
UL YellowCard	E41613-101010273		
Additive	Impact Modifier		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Flow		
	Good Mold Release		
	High Heat Resistance		
	Impact Modified		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Volume-Flow Rate (MVR) (265°C/5.0 kg)	22.0	cm³/10min	ISO 1133
Molding Shrinkage			ISO 2577
Across Flow ¹	0.60 to 0.80	%	
Across Flow : 90°C, 1 hr	0.10 to 0.20	%	
Flow ²	0.60 to 0.80	%	
Flow : 90°C, 1 hr	0.10 to 0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2250	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield, 23°C	55.0	MPa	
Break, 23°C	50.0	MPa	
Tensile Strain (Yield, 23°C)	5.0	%	ISO 527-2/50
Nominal Tensile Strain at Break (23°C)	> 50	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			
-30°C	No Break		ISO 180/1C
-20°C	40	kJ/m²	ISO 180/A
23°C	50	kJ/m²	ISO 180/A
23°C	No Break		ISO 180/1C
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature			
0.45 MPa, Unannealed	125	°C	ISO 75-2/B
1.8 MPa, Unannealed	110	°C	ISO 75-2/A
Vicat Softening Temperature	140	°C	ISO 306/B120
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	< 0.010	%	
NOTE			
1.	600 bar		
2.	600 bar		

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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

