

PULSE™ XT50

PC/ABS Engineering Resin

Trinseo

Message:

PULSE XT50 is a very easy flow, medium-heat, high gloss and low density PC/ABS resin delivering optimized performance for automotive exterior component applications.

Benefits

High gloss and meeting exterior paintability requirements.

Low density driving to lighter and cost optimized parts.

Very easy flow, reduced scrap, and faster cycle times, while enabling thin wall part design for mass reduction.

Heat resistance optimized for the majority of automotive exterior applications.

Applications

Spoilers

Side mirrors

Front grills

Exterior trims

General Information			
Features	Low density		
	Highlight		
	Sprayable		
	Fast molding cycle		
	High liquidity		
	Heat resistance, medium		
Uses	Application in Automobile Field		
	Automotive exterior parts		
	Car exterior decoration		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183/B
Apparent Density	0.63	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	25	g/10 min	ISO 1133
Spiral Flow	63.0	cm	
Molding Shrinkage	0.40 - 0.70	%	ISO 294-4
VOC Content	15.0	µg/g	VDA 277
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2300	MPa	ISO 527-2
Tensile Stress (Yield)	47.0	MPa	ISO 527-2/50
Tensile Strain (Break)	> 50	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	25	kJ/m ²	ISO 179/1eA

23°C	50	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	94.0	°C	ISO 75-2/A
Vicat Softening Temperature	111	°C	ISO 306/B50
CLTE - Flow (-30 to 80°C)	7.5E-5	cm/cm/°C	ISO 11359-2
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	255 - 280	°C	
Mold Temperature	60 - 80	°C	
NOTE			
1.	1 mm/min		

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



WECHAT