

# SLOVALEN® PC 53 N

Polypropylene

Plastcom

Message:

Modified copolymer PP for injection moulding, with the ability of modelling the melt flow rate within the interval 5 - 20 g/10 min. Can be used for simple small as well as for large complicated mouldings. It is stabilized against the impact of UV radiation and atmospheric conditions by the UV stabilizer on the HALS basis. Application: external use for stadium seats with guaranteed operating life of the mechanical and surface properties. Delivered in the full RAL colour scale.

General Information			
Additive	UV Stabilizer		
Features	Copolymer		
Uses	Seats		
Appearance	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PP		
Physical	Nominal Value	Unit	Test Method
Density	0.903	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage			STM 64 0808
Across Flow	2.5	%	
Flow	2.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1400	MPa	ISO 527-2
Tensile Stress (Yield)	25.0	MPa	ISO 527-2
Tensile Strain (Yield)	200	%	ISO 527-2
Flexural Modulus	1100	MPa	ISO 178
Flexural Stress	40.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	4.0	kJ/m²	
23°C	7.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	75.0	°C	ISO 75-2/B
Vicat Softening Temperature	114	°C	ISO 306/B

Melting Temperature (DSC)	150	°C	ISO 3146
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 to 250	°C	
Mold Temperature	30.0 to 50.0	°C	
Injection Pressure	60.0 to 70.0	MPa	

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

