

Daplen™ EF150HP

Compounded Polypropylene

Borealis AG

Message:

Daplen EF150HP is an elastomer modified polypropylene compound intended for injection moulding.

This material has excellent balanced mechanical properties, gives a good surface quality and is easy to process.

General Information			
Additive	UV stabilizer		
Features	Rigid, good		
	Good UV resistance		
	Recyclable materials		
	Thermal stability, good		
	Excellent appearance		
Uses	Car anti-collision bar		
	Application in Automobile Field		
	Car exterior decoration		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	g/10 min	ISO 1133
Molding Shrinkage	0.70	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	2100	MPa	ISO 178
Flexural Stress	29.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	4.5	kJ/m ²	ISO 179/1eA
23°C	29	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	75	kJ/m ²	ISO 179/1eU
23°C	No Break		ISO 179/1eU
Notched Izod Impact			ISO 180/1A
-20°C	4.3	kJ/m ²	ISO 180/1A
23°C	25	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	110	°C	ISO 75-2/Be

1.8 MPa, not annealed	57.0	°C	ISO 75-2/Ae
Vicat Softening Temperature			
--	136	°C	ISO 306/A
--	50.0	°C	ISO 306/B
CLTE - Flow	5.4E-5	cm/cm/°C	Internal method
Injection	Nominal Value	Unit	
Mold Temperature	30.0 - 50.0	°C	
Holding Pressure	30.0 - 60.0	MPa	
Injection instructions			
Feeding Temperature: 40 - 80 °C Mass Temperature: 220 - 260 °C Back Pressure: Low to Medium Screw Speed: Low to Medium Flow Front Speed: 100 - 200 mm/s			

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

