

NORYL™ 6850H resin

Polyphenylene Ether + PS

SABIC Innovative Plastics Europe

Message:

NORYL 6850H is a PPO+HIPS extrusion grade, it is optimized for blending with polystyrene resins. It is suitable for (microwavable) food packaging and is compliant with US and European food contact regulations.

General Information			
Features	Food Contact Acceptable		
Uses	Blending		
	Food Packaging		
Agency Ratings	EU Food Contact, Unspecified Rating		
	FDA Food Contact, Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (280°C/5.0 kg)	20.0	cm ³ /10min	ISO 1133
Water Absorption			ISO 62
Saturation, 23°C	0.25	%	
Equilibrium, 23°C, 50% RH	0.060	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2340	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	60.0	MPa	
Break	18.0	MPa	
Tensile Strain			ISO 527-2/50
Yield	5.0	%	
Break	51	%	
Flexural Modulus ¹	2380	MPa	ISO 178
Flexural Stress	97.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ²			ISO 179/1eA
-30°C	9.0	kJ/m ²	
23°C	11	kJ/m ²	
Notched Izod Impact Strength ³			ISO 180/1A
-30°C	8.0	kJ/m ²	
23°C	10	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	140	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	126	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	141	°C	ISO 306/B50
--	147	°C	ISO 306/B120
CLTE			
Flow : -40 to 40°C	7.0E-5	cm/cm/°C	
Transverse : -40 to 40°C	7.0E-5	cm/cm/°C	
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (280°C, 1500 sec ⁻¹)	140	Pa·s	ISO 11443
NOTE			
1.	2.0 mm/min		
2.	80*10*4 sp=62mm		
3.	80*10*4		
4.	80*10*4 mm		

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

