

Hanwha Total PP TB24

High Melt Strength Polypropylene
HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

TB24 is a polypropylene compound designed for use in extruded sheets. TB24 features superior heat-resistance and the mechanical properties required for sheet products, and is ideal for extrusion processing and vacuum forming. This product is commonly applied to a variety of vacuum-molded products such as food containers and packaging trays, and to other vacuum products used as industrial materials.

General Information			
Features	Rigidity, high		
	Good melt strength		
	Low temperature impact resistance		
	Heat resistance, high		
Uses	Packaging		
	Industrial application		
	Sheet		
	Food container		
Forms	Particle		
Processing Method	Sheet extrusion molding		
	Vacuum forming		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	89		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.4	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Apparent Bending Modulus	52.0	MPa	ASTM D747
Flexural Modulus	3920	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	74	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	145	°C	ASTM D648
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	180 - 230	°C	

Cylinder Zone 2 Temp.	180 - 230	°C
Cylinder Zone 3 Temp.	180 - 230	°C
Cylinder Zone 4 Temp.	180 - 230	°C
Cylinder Zone 5 Temp.	180 - 230	°C
Die Temperature	200 - 240	°C

Extrusion instructions

Cooling Toll Temperature: 20 to 90 °C

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

