



台灣塑膠工業股份有限公司聚烯事業部

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Technical Data Sheet

Taisox[®] 7501

1. Product description

Taisox[®]7501 is a extra high molecular weight high density polyethylene, butene copolymer manufactured by the CSTR slurry process. It provides good balance of high stiffness, high impact, excellent ESCR and chemical resistance.

Taisox[®]7501 is often used in Jerry can ,Open top drums and L-ring drums (up to 220 liter).

2. Typical properties

Properties	Units	Test Method	7501
Melt Index MI _{2.16}	g/10min	ASTM D1238	0.02
Melt Index MI _{21.6} (HLM)	g/10min	ASTM D1238	3.0
Density	g/cm ³	ASTM D1505	0.951
Thermal properties			
Melting point	°C	FPC DSC	134
Brittleness point	°C	ASTM D746	<-70
Softening point	°C	ASTM D1525	127
Mechanical properties			
Tensile strength at yield	Kg/cm ²	ASTM D638	270
Tensile strength at break	Kg/cm ²	ASTM D638	380
Elongation at break	%	ASTM D638	800
Izod Impact Strength	Kg-cm/cm notch	ASTM D256	Non-Break
Hardness	Shore D	ASTM D2240	67
ESCR	Hours	ASTM D1693	>1000

* Data shown are average values and should not be examined for specifications

3. Processability

Taisox[®]7501 HDPE Resin can be extruded at temperature profiles between 190 and 230°C.

Extruder temperature profiles set for reference :

Barrel zone & Adapter 190-230°C , Die 200-230°C

4. Regulatory status

The grade meets the specification promulgated by the Food and Drug Administration of United States of America (FDA) for olefin polymers in 21 code of Federal Regulation Section 177.1520 and EU RoHS. Please contact your Formosa Plastics corporation representative for detailed information and other documents.

5. Packing

FPC supplied in 25Kg/paper bag or 1000Kg/bulk bag.

6. Storing

Resin must be stored at temperature under 40°C . The sun radiation, heat, humidity is prohibit.

The expiration date is 3 years.

Last Update:2013/11/22