TRANSAMERICAN
POLYMERS CORPORATION

TECHNICAL DATA SHEET (TDS)

HIPS PS3HI
HIGH IMPACT POLYSTYRENE

OVERVIEW: Design specifically for extrusion/ thermoforming.

Applications: Custom sheet extrusion, extrusion thermoforming, packaging, form, fill, seal.

Complies with the specifications U.S. FDA 21 CFR 177.1640

ADDITIVE:

Properties	Test Method	Units	Nominal Values
Melt Flow (200°C-5 kg)	ASTM D-1238	g/10min	3.0
Density		g/cm^3	1.04
Properties			
Falling Dart	ASTM D-3029	in-lb.	110
Izod - notched	ASTM D-256	ft.-lbs.-in	2.3
Tensile strength	ASTM D-638	Psi	3600
Tensile Modulus	ASTM D-638	Psi(10^5)	3.0
Elongation	ASTM D-638	%	50
Flexural Strength	ASTM D-790	Psi	6900
Flexural Modulus	ASTM D-790	Psi(10^5)	3.2
Heat Distortion-Annealed	ASTM D-648	°F	202
Vicat Softening	ASTM D-1525	°F	215
Gloss	ASTM D-523	60°	70
Linear Shrinkage	ASTM D-955	in/in	.004-.007
Moisture		%	<0.1

TRANSAMERICAN POLYMERS CORP.

The above information is provided in good faith. TRANSAMERICAN POLYMERS CORP. is not responsible for any processing or compounding which may occur to produce finished articles, packaging materials or their components. Further, TRANSAMERICAN POLYMERS CORP.MAKES NO WARRANTY OR REPRESENTATION OF ANY KIND, REGARDING THE INFORMATION GIVEN FOR THE PRODUCTS DESCRIBE D, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES, REPRESENTATIONS AND CONDITIONS, INCLUDING WITHOUT LIMITATION ALL WARRANTIES AND CONDITIONS OF QUALITY, MERCHANTABILITY AND SUITABILITY OR FITNESS FOR PARTICULAR PURPOSE.

801 Travis St. Suite 2101 PMB 1864 Houston, TX 77002
Tel: +1 (877) 220-8942 www.transampolymers.com