

## Description

TOTAL Petrochemicals 625 is a medium impact polystyrene with balanced physical properties. Thin walled parts with complex runners and gates, run fast and consistently with the easy flow 625. The natural whiteness of this polymer allows for brightness of color matches. TOTAL 625 is the base carrier of choice for many color concentrate producers.

## Applications

This polymer is utilized in applications such as scale models, toys, housewares, and containers requiring consistency from shot to shot. An excellent polymer for those high gloss applications.

## General Information

- This material complies with FDA requirements as described in 21 CFR §177.1640.
- This material holds Underwriters Laboratory recognition 94HB; see UL File E55470 at [www.UL.com](http://www.UL.com).
- USP Class VI
- Material Safety Data Sheets are available to help customers satisfy their safety needs.

## Properties

Rheological Properties	ASTM Test	Unit	Typical Value
Melt Flow (200°C-5kg)	D-1238	g/10mn	13.0
<b>Thermal Properties</b>			
Heat Distortion - Annealed	D-648	°F	189
Vicat Softening	D-1525	°F	200
<b>Impact Properties</b>			
Falling Dart	D-3029	in-lb	95
Izod - notched	D-256	ft-lbs/in	1.4
<b>Tensile Properties</b>			
Strength	D-638	psi	3,600
Modulus	D-638	psi (10 <sup>5</sup> )	3.5
Elongation	D-638	%	40
<b>Flexural Properties</b>			
Strength	D-790	psi	6,600
Modulus	D-790	psi (10 <sup>5</sup> )	3.4
<b>Other Properties</b>			
Gloss	D-523	60°	97
Density		g/cm <sup>3</sup>	1.04
Linear Shrinkage	D-955	in/in	.004 - .007
Moisture		%	<0.1

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All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of these products must be guided by the user's own methods for selection of proper formulation. TOTAL PETROCHEMICALS USA, INC. disclaims any responsibility for misuse or misapplication of its products. TOTAL PETROCHEMICALS USA, INC. MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TOTAL PETROCHEMICALS USA, INC. liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option to replacement of non-performing goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.