

SealPET™ 0610

Product Description

SealPET is an impact modified PET resin for FDA applications that require excellent low temperature impact resistance.

General

Material Status:	Commercial: Active
Availability:	Globally
Features:	Semi Crystallinity/Low Viscosity
Uses:	Multiple
Processing Method:	Injection Molding, Extrusion, Compounding, Blown Film, Thermoforming

ASTM & ISO Properties

<u>Physical</u>	<u>Nominal Value</u>	<u>Unit</u>	<u>Test Method</u>
Density	1.14	g/cc	ISO 1183
Molding Shrinkage	0.7	%	ASTM D955
Water Absorption @ 73°F	1.2	%	ISO 62
Water Absorption @ Equilibrium	2.5	%	ISO 62
<u>Mechanical</u>	<u>Nominal Value</u>	<u>Unit</u>	<u>Test Method</u>
Tensile Modulus	300,308	psi	ASTM D638
Tensile Strength	7,063	psi	ASTM D638
Elongation @ Break	142	%	ASTM D638
Flexural Modulus	326,812	psi	ASTM D790
<u>Impact</u>	<u>Nominal Value</u>	<u>Unit</u>	<u>Test Method</u>
Gardner Impact (23°C)	>320	in-lbs	ASTM D5420
Gardner Impact (-40°C)	>320	in-lbs	ASTM D5420
<u>Rheological</u>	<u>Nominal Value</u>	<u>Unit</u>	<u>Test Method</u>
Melt Flow Rate (285°C, 2.16 Kg)	12.0	g/10 min.	ASTM D1238

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