TechResin® B2365

A Homopolymer High Density Polyethylene (HDPE) Resin Designed for Liquid Food Blow Molding Applications

TechResin® B2365 is a high quality product for those critical food packaging requirements. It also has good stiffness properties.

TechResin® B2365 meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

Suggested Applications:

Milk	Soft Drink Concentrate
Distilled Water	Fruit Juice, etc.

Nominal Physical Properties:

PROPERTY*	ASTM TEST METHOD	ENGLISH Unit	ENGLISH Value	SI Unit	SI Value
Density	D1505	g/cc	0.964	g/cc	0.964
Melt Index, Condition E, 190°C/2.16 kg	D1238	g/10 min.	0.70	g/10 min.	0.70
Environmental Stress Crack Resistance (ESCR)					
Condition B, F_{50} (100% Igepal)	D1693	h	15-20	h	15 –20
Tensile Yield Strength, 2” (50 mm) per min.	D638 Type IV	psi.	4400	MPa	30
Ultimate Elongation, 2” (50 mm) per min.	D638 Type IV	%	>300	%	>300
Brittleness Temperature	D746	°F	<-180	°C	<-118
Flexural Modulus	D790	psi.	240,000	MPa	1654

* Physical properties reported herein were determined on compression molded specimens prepared in accordance with Procedure C of ASTM D1928.

The nominal properties reported herein are typical of the product but do not reflect normal testing variance and therefore should not be used for specification purposes.

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