

产品比较

Technical Data

产品说明

TotalEnergies Polypropylene 3720WZ

Polypropylene 3720WZ has high flow characteristics that result in ease of filling thin wall parts.

Nucleation: TOTAL Polypropylene 3720WZ is nucleated to provide fast cycle time and improved contact clarity in thin wall, multi-cavity molds.

Antistat: TOTAL Polypropylene 3720WZ contains an antistat that will help protect molded parts from dust accumulation.

FDA: TOTAL Polypropylene 3720WZ complies with all applicable FDA regulations for food contact applications.

Recommended Applications: TOTAL Polypropylene 3720WZ is recommended for caps, closures, and thin wall containers.

Processing: TOTAL Polypropylene 3720WZ resin processes on conventional injection molding equipment with typical melt temperatures of 380-450°F (200-232°C).

FHR Polypropylene P4C5T-013

DESCRIPTION: Homopolymer for injection molding.

FEATURES: Contains antistatic agent. Produced without animal derived components or phthalates.

APPLICATIONS: Rigid packaging and housewares.

INEOS PP H20A-00

H20A-00 is a controlled rheology homopolymer designed for injection molding applications requiring a moderate level of antistatic agent. Typical applications include consumer products, housewares and rigid packaging. It meets the requirements of the U.S. Food and Drug Administration as specified in 21CFR 177.1520.

总览	TotalEnergies Polypropylene 3720WZ	FHR Polypropylene P4C5T-013	INEOS PP H20A-00
生产商/供应商	<ul style="list-style-type: none"> TotalEnergies 	<ul style="list-style-type: none"> Flint Hills Resources, LP 	<ul style="list-style-type: none"> INEOS Olefins & Polymers USA
通用符号	<ul style="list-style-type: none"> PP 均聚物 	<ul style="list-style-type: none"> PP 均聚物 	<ul style="list-style-type: none"> PP 均聚物
特性	<ul style="list-style-type: none"> 成核的 均聚物 抗静电性 快的成型周期 流动性高 食品接触的合规性 外观透明 	<ul style="list-style-type: none"> 均聚物 抗静电性 无动物源性成分 	<ul style="list-style-type: none"> 均聚物 抗静电性 可控流变 食品接触的合规性



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总览	TotalEnergies Polypropylene 3720WZ	FHR Polypropylene P4C5T-013	INEOS PP H20A-00
用途	<ul style="list-style-type: none"> 薄壁部件 薄壁容器 护罩 外壳 	<ul style="list-style-type: none"> 家用货品 硬包装 	<ul style="list-style-type: none"> 家用货品 消费品应用领域 硬包装
机构评级	<ul style="list-style-type: none"> FDA 食品接触 	<ul style="list-style-type: none"> DMF FDA 21 CFR 177.1520(c) 1.1a 	<ul style="list-style-type: none"> FDA 21 CFR 177.1520
RoHS 合规性	--	<ul style="list-style-type: none"> 联系制造商 	<ul style="list-style-type: none"> 联系制造商
形式	<ul style="list-style-type: none"> 粒子 	<ul style="list-style-type: none"> 粒子 	<ul style="list-style-type: none"> 粒子
加工方法	<ul style="list-style-type: none"> 注射成型 	<ul style="list-style-type: none"> 注射成型 	<ul style="list-style-type: none"> 注射成型

物理性能	TotalEnergies Polypropylene 3720WZ	FHR Polypropylene P4C5T-013	INEOS PP H20A-00	单位制	测试方法
密度 / 比重	--	--	0.908	g/cm ³	ASTM D792
--	0.905	0.900	--	g/cm ³	ASTM D1505
熔速率 (熔体流动速率) (230°C/2.16 kg)	20	20	20	g/10 min	ASTM D1238

机械性能	TotalEnergies Polypropylene 3720WZ	FHR Polypropylene P4C5T-013	INEOS PP H20A-00	单位制	测试方法
拉伸模量	1790	--	--	MPa	ASTM D638
抗张强度					ASTM D638
屈服	--	34.0	--	MPa	
屈服, 注塑 ⁴	--	--	36.4	MPa	
断裂, 注塑 ⁴	--	--	20.1	MPa	
--	37.9	--	--	MPa	
伸长率					ASTM D638
屈服	--	9.0	--	%	
屈服, 注塑 ⁴	--	--	9.7	%	
断裂	13	--	--	%	
断裂, 注塑 ⁴	--	--	< 100	%	
弯曲模量					
--	1520	--	--	MPa	ASTM D790
1% 正割	--	1240	--	MPa	ASTM D790
1% 正割: 注塑	--	--	1600	MPa	ASTM D790A



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冲击性能	TotalEnergies Polypropylene 3720WZ	FHR Polypropylene P4C5T-013	INEOS PP H20A-00	单位制	测试方法
悬壁梁缺口冲击强度					
23°C	--	20	--	J/m	ASTM D256
23°C	27	--	--	J/m	ASTM D256A
23°C, 注塑	--	--	27	J/m	ASTM D256
悬壁梁缺口冲击强度 (23°C, 注塑)	--	--	2.70	kJ/m ²	ASTM D256
无缺口悬臂梁冲击 (23°C)	1100	--	--	J/m	ASTM D4812
落锤冲击 (23°C)	--	6.00	--	J	ASTM D5420
硬度	TotalEnergies Polypropylene 3720WZ	FHR Polypropylene P4C5T-013	INEOS PP H20A-00	单位制	测试方法
洛氏硬度					ASTM D785
R 级	107	105	--		
R 级, 注塑	--	--	104		
热性能	TotalEnergies Polypropylene 3720WZ	FHR Polypropylene P4C5T-013	INEOS PP H20A-00	单位制	测试方法
载荷下热变形温度					ASTM D648
0.45 MPa, 未退火	127	93.0	--	°C	
0.45 MPa, 未退火, 注塑	--	--	102	°C	
熔融温度					
--	166	--	--	°C	DSC
--	--	160 到 165	--	°C	ASTM D3418
可燃性	TotalEnergies Polypropylene 3720WZ	FHR Polypropylene P4C5T-013	INEOS PP H20A-00	单位制	测试方法
UL 阻燃等级	--	HB	--		UL 94
光学性能	TotalEnergies Polypropylene 3720WZ	FHR Polypropylene P4C5T-013	INEOS PP H20A-00	单位制	测试方法
光泽度 (60°, 注塑)	--	--	94		ASTM D2457

补充信息

FHR Polypropylene
P4C5T-013

Notice regarding medical applications:

This Flint Hills product meets certain requirements for use in medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that this Flint Hills product is safe, lawful and technically suitable for the intended use. Flint Hills encourages its customers to review their application with a Flint Hills technical representative to ensure that this product is not used in ways for which it was not intended. Flint Hills makes no warranties (express or implied), promises or guarantees concerning the suitability of this product for use in any given medical application.



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注射	TotalEnergies Polypropylene 3720WZ	FHR Polypropylene P4C5T-013	INEOS PP H20A-00	单位制
加工 (熔体) 温度	193 到 232	--	--	°C

