

TOTAL Polypropylene PPC 4663

抗冲击共聚聚丙烯

TOTAL Refining & Chemicals

Technical Data

Product Description

Polypropylene PPC 4663 is heterophasic copolymer with a Melt Flow Index of 3.5 g/10min.

Polypropylene PPC 4663 is characterized by a combination of ease of processing and good manufactured article properties in applications ranging from household to industrial. These include the manufacture of chair shells, pails, crates and other articles requiring a combination of good stiffness and impact properties.

Polypropylene PPC 4663 has been formulated to give good UV resistance.

General

Features	- 抗冲共聚物 - 抗紫外线性能良好	- 良好的加工性能 - 良好刚性	良好抗撞击性
Uses	- 工业应用 - 家具	- 家用货品 - 桶	装货箱
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS 合规		
Forms	粒子		
Processing Method	注射成型		

Physical

	额定值	单位制	测试方法
Density	0.905	g/cm³	ISO 1183
Apparent (Bulk) Density	0.53	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.5	g/10 min	ISO 1133

Mechanical

	额定值	单位制	测试方法
Tensile Modulus	1300	MPa	ISO 527-2
Tensile Stress (屈服)	25.0	MPa	ISO 527-2
Tensile Strain (屈服)	7.0	%	ISO 527-2
Flexural Modulus	1200	MPa	ISO 178

Impact

	额定值	单位制	测试方法
Charpy Notched Impact Strength			ISO 179
-20°C	7.0	kJ/m²	
23°C	20	kJ/m²	
Notched Izod Impact Strength			ISO 180
-20°C	5.5	kJ/m²	
23°C	18	kJ/m²	

Hardness

	额定值	单位制	测试方法
Rockwell Hardness (R 计秤)	82		ISO 2039-2

Thermal

	额定值	单位制	测试方法
Heat Deflection Temperature			
0.45 MPa, 未退火	92.0	°C	ISO 75-2/B
1.8 MPa, 未退火	50.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	147	°C	ISO 306/A50
--	70.0	°C	ISO 306/B50
Melting Temperature (DSC)	165	°C	ISO 3146