

Braskem PP RP 141

聚丙烯无规共聚物

Braskem

Technical Data

Product Description		
RP 141 is a high melt flow rate random copolymer designed for injection molding. This product offers outstanding transparency, very good stiffness/impact strength balance and excellent processability.		
Applications: Injection of high transparency and thin-walled parts.		
Processing: Injection Moulding		
General		
Features	- 良好的加工性能 - 良好刚性	- 良好抗撞击性 - 流动性高
Uses	薄壁部件	- 清晰度, 高 - 无规共聚物
Agency Ratings	FDA 21 CFR 177.1520	
Processing Method	注射成型	
Physical		
	额定值 单位制	测试方法
Density / Specific Gravity	0.902 g/cm³	ASTM D792 ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40 g/10 min	ASTM D1238 ISO 1133
Mechanical		
	额定值 单位制	测试方法
Tensile Strength		
屈服, 注塑	30.0 MPa	ASTM D638
屈服, 注塑	28.0 MPa	ISO 527-2
Tensile Elongation		
屈服, 注塑	14 %	ASTM D638
屈服, 注塑	16 %	ISO 527-2
Flexural Modulus - 1% 正割		
注塑	1050 MPa	ASTM D790
注塑	1150 MPa	ISO 178
Impact		
	额定值 单位制	测试方法
Notched Izod Impact		
-20°C, 注塑	20 J/m	ASTM D256
23°C, 注塑	40 J/m	ASTM D256
23°C, 注塑	4.4 kJ/m²	ISO 180
Hardness		
	额定值 单位制	测试方法
Rockwell Hardness		
R 级, 注塑	83	ASTM D785
R 计秤 ³	83	ISO 2039-2
Thermal		
	额定值 单位制	测试方法
Deflection Temperature Under Load		
0.45 MPa, 未退火, 注塑	83.0 °C	ASTM D648
0.45 MPa, 未退火	79.0 °C	ISO 75-2/B
1.8 MPa, 未退火, 注塑	49.0 °C	ASTM D648
1.8 MPa, 未退火	49.0 °C	ISO 75-2/A
Vicat Softening Temperature	127 °C	ISO 306/A ASTM D1525 ⁴



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Optical	额定值 单位制	测试方法
Haze		
1000 μm, 注塑	18.0 %	ASTM D1003
1000 μm, 注塑	14.0 %	ISO 13468-1

