TECHNICAL DATA SHEET

POLYPROPYLENE

K8003

Injection grade

Manufacturer:

China Petroleum & Chemical Corporation Guangzhou Branch

239 SHIHUA ROAD, HUANGPU DISTRICT, GUANGZHOU, GUANGDONG

Typical Application

K8003 is an injection grade PP block copolymer with excellent impact resistance and good processing performance. It is mainly used to produce toys, household electrical appliances, battery case, etc.

Package, Storage and Transportation

The resin is packaged in 25kg/bag without palletizing. The resin should be stored in a drafty, dry warehouse and away from fire and direct sunlight. It should not be piled up in the open air. During transportation, the resin should not be exposed to strong sunlight or rain and should not be transported together with sand, soil, scrap metal, coal or glass. Transportation together with toxic, corrosive and flammable substance is strictly prohibited.

Typical Data

Test Item	Test Method	Spec.	Typical Values (no warranty)	Unit
Black particles	SH/T 1541.1-2019	0	0	pcs/kg
Large and small particles	SH/T 1541.1-2019	≤100	0.7	g/kg
MFR	GB/T 3682.1-2018	2.0±0.5	2.88	g/10min
Ash	GB/T 9345.1-2008	≤0.040	0.0187	wt%
Tensile yield strength	GB/T 1040.2-2006	≥20.0	21.5	Mpa
Flexural modulus	GB/T 9341-2008	≥800	948	MPa
Rockwell Hardness	GB/T 3398.2-2008	≥65	80.5	/
Charpy notched impact strength (23℃)	GB/T 1043.1-2008	≥40	64	kJ/m²
Charpy notched impact strength (-20℃)	GB/T 1043.1-2008	≥4.0	7.9	kJ/m²
Distortion temperature under load	GB/T 1634.2-2004	≥60	80	℃