Moplen RP348SK

Polypropylene Random Copolymer

PolyMirae

Message:

Moplen RP348SK is a nucleated and high fluidity polypropylene random copolymer manufactured by PolyMirae using Spheripol process technology licensed from LyondellBasell.
Moplen RP348SK is specially designed for good processability and excellent clarity in low processing temperature with balanced mechanical properties.
Moplen RP348SK is a random copolymer particularly suitable for injection molding of thin walled articles (TWIM) for food and non food applications, transparency containers and boxes of big size, houseware, DVD case.
Moplen RP348SK meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact.
Product Features
High fluidity/Good processability and excellent clarity in low processing temperature/High productivity with shorter cycle time than conventional random PP/Less bubbles(Voids) in final products/High gloss/Good mechanical property balance/Low odor and low taste transfer
Typical Applications
Thin walled articles (TWIM) for food and non food applications, Transparency containers and boxes of big size, Houseware, Food container, DVD case, etc

General Information	
Additive	Nucleating Agent
Features	Fast Molding Cycle Food Contact Acceptable Good Processability High Clarity High Flow High Gloss Low Odor Transfer Low Taste Transfer Nucleated Random Copolymer
Uses	Bottles Containers Food Containers Household Goods Media Packaging Thin-walled Parts
Agency Ratings	FDA 21 CFR 177.1520
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	93		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	28.9	MPa	ASTM D638
Tensile Elongation (Yield)	14	%	ASTM D638
Flexural Modulus	1030	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	49	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	87.0	°C	ASTM D648
Optical	**Nominal Value**	**Unit**	**Test Method**
Haze	18	%	ASTM D1003

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT