

SABIC PP 413MNK45 Polypropylene Impact Copolymer for Injection Molding

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

Product Description: PP 413MNK45 is a controlled rheology PP grade with a very high fluidity. It is provided with an antistatic package & nucleating agent and is especially developed for producing injection molded articles. This grade has a good impact resistance (even at low temperature) and high stiffness. **Typical Applications:** PP 413MNK45 can be used for housewares and thin wall packaging containers (e.g. margarine tubs, yogurt pots and ice cream containers, etc.). Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-PP-413MNK45-Polypropylene-Impact-Copolymer-for-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.012 - 0.025 cm/cm	0.012 - 0.025 in/in	
Melt Flow	70 g/10 min @Load 2.16 kg, Temperature 230 °C	70 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	94	94	ASTM D785
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Flexural Modulus, 1% Secant	1550 MPa	225000 psi	ASTM D790A
Izod Impact, Notched	0.350 J/cm @Temperature -20.0 °C	0.656 ft-lb/in @Temperature -4.00 °F	ASTM D256
	0.650 J/cm @Temperature 23.0 °C	1.22 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	ASTM D648
Vicat Softening Point	150 °C	302 °F	ASTM D1525B

Processing Properties	Metric	English	Comments
Processing Temperature	200 - 235 °C	392 - 455 °F	Barrel Temperature

Mold Temperature Processing Properties	15.0 - 40.0 °C Metric	59.0 - 104 °F English	Comments
---	--------------------------	--------------------------	----------

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China