Provisional Technical Datasheet

MR12C

OPalene PP

Polypropylene Random Co Polymer — Injection Molding & ISBM

Product Description:

PP Random Co polymer MR12C is a natural colored high clarity grade produced with the latest Ineos Gas Phase polymerization Technology exhibiting following features:

- Excellent Clarity
- Good balance of stiffness & Impact strength
- Good gloss
- Easy to process
- Anti-static properties

PP Random Co Polymer MR12C is recommended for Injection Molding and Injection Stretch Blow Molding process to produce:

- ✓ Rigid Containers
- ✓ Transparent Housewares
- ✓ Food Packaging containers
- ✓ ISBM bottles & containers
- ✓ Media Packaging

Typical Properties:

Sr. No.		Test Method	Units	Values*
Physical Properties				
1	Melt Flow Index (230°C & 2.16 kg)	ASTM D1238	g / 10 min	12
2	Density (23 °C)	ASTM D 1505	Gm/cm^3	0.90
Mechanical Properties				
3	Tensile Strength @ Yield (50mm / min)	ASTM D 638	MPa	33
4	Elongation @ Yield (50mm / min)	ASTM D 638	%	12
5	Flexural Modulus (1.3 mm/min)	ASTM D790A	MPa	1300
6	Notch Izod Impact Strength (@ 23°C)	ASTM D 256	J/m	50
7	Hardness (Rockwell)	ASTM D 785	R Scale	80
Thermal Properties				
8	Heat Deflection Temperature (0.46N/m2)	ASTM D648	°C	90

* Mechanical Properties tested on Injection molded specimen prepared in accordance with ASTM D 4101 and conditioned as per ASTM D 618

* Typical Values and not to be taken as specifications, values may change without any prior notice.

Recommended Processing Temperature: 180 – 230 °C

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PARC/2016/03 - 00