



Technical Datasheet RP340R

Product Description:

RP340R is a nucleated polypropylene random copolymer with high fluidity and outstanding transparency and gloss and is designed for injection molding applications. RP340R is the material of choice for applications where transparency is a primary requirement. This grade is also suitable for injection stretch blow molded containers and bottles. This product combines good see through clarity and excellent moisture barrier properties with hot fillability. Therefore, RP340R offers an effective alternative for PET and PVC for the packaging of non-oxygen sensitive products such as confectionary, herbs, toiletries and cosmetics.

Applications:

Household containers, housewares Packaging for food, cosmetics and pharmaceutical products Clear tubs and pots for ice cream, yoghurt and other desserts Medical sector such as syringes, test tubes and vials Lids, caps and closures CD and DVD boxes, injection stretch blow molded containers and bottles sports, leisure and toys.

Typical data:

Property	Test method	Unit	value
Melt Flow Rate (230°C/2.16kg)	ASTM D1238	gr/10 min	25
Density	ASTM D1505	g/cm ³	0.9
Flexural Modulus	ASTM D790	MPa	1050
Tensile Strength at Yield	ASTM D638	MPa	28
Tensile Elongation @Yield	ASTM D638	%	12
Izod Impact Strength (notched) at 23 °C	ASTM D256	J/m	65
Rockwell Hardness	ASTM D785	R.Scale	94
Vicat softening point (10N)	ASTM D1525	°C	127
H.D.T. (0.46 Mpa)	ASTM D648	°C	83
Accelerated oven ageing in air at 150°C	ASTM D3012	hours	360
Haze (1 mm)	ASTM D3012	%	22
Gloss	ASTM D2457	-	73