

RP340R

Polypropylene

Description

PR340R is a nucleated polypropylene random copolymer with high fluidity and outstanding transparency and gloss and is designed for injection molding applications.

PR340R 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, PR340R offers an effective alternative for PET and PVC for the packing of non-oxygen sensitive products such as confectionary, herbs, toiletries and cosmetics.

Processing Method

Injection molding

Injection stretch blow molding

Features

High melt flow

Excellent transparency

Excellent gloss

Random copolymer

Application

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

Properties	Value	Unit	Method
Melt Flow Rate	25	g/10min	ASTM D 1238
Density	0.9	g/cm ³	ASTM D 1505
Flexural Modulus	1050	MPa	ASTM D 790
Tensile Strength @yield	28	MPa	ASTM D 638
Tensile Elongation @ yield	12	%	ASTM D 638
Izod Impact Strength(notched)@23C°	65	J/m	ASTM D 256
Rockwell Hardness	94	R-Scale	ASTM D 785
Vicat softening point(10N)	127	C°	ASTM D 1525
H.D.T.(0.46 MPa)	83	C°	ASTM D 648
Accelerated oven ageing in air at 150C°	360	hours	ASTM D 3012
Haze (1 mm)	22	%	ASTM D 1003
Gloss	73	-	ASTM D 2457