

PCR HDPE




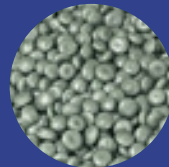
Rigid Packaging



Personal Care and
Lubricant Oil Bottle



High-quality and 100% PCR resins which comply with global standard to the market under brand InnoEco.

InnoEco: PCR HDPE						
Properties	Test Method	Unit	Grade			
			HN035NB	HW035NB	HM035NB	HM035NJ
Physical Properties						
MFR (190 °C, 2.16 kg)	ASTM D1238	g/10 min	0.35	0.46	0.58	2
Density	ASTM D1505	g/cm3	0.963	> 0.970	0.959	0.957
Mechanical Properties (Based on compression specimens)						
Tensile Strength at Yield	ASTM D638	kg/cm ²	300	277	270	270
Tensile Strength at Break	ASTM D638	kg/cm ²	173	157	160	140
Elongation at Break	ASTM D638	%	460	490	330	200
Flexural Modulus	ASTM D790	kg/cm ²	13,800	13,700	12,600	12,600
Notched Izod Impact Strength	ASTM D256	kg.cm/cm	9.3	6	6	4
ESCR; 25% Igepal, F ₅₀	ASTM D1693	hrs	24	24	-	-
Color			 Natural White	 Opaque white	 Purple	 Grayish-Green
Application	Extrusion blow molding, Home & personal care bottles, Lubricant Container					Injection molding applications of household product

Recommendation: Injection Molding Temperature : 170 - 220 °C
Extruder Temperature : 165 - 190 °C
Die Temperature : 180 - 195 °C

PCR PET

Rigid Packaging



Food & Beverage
Bottle



High-quality and 100% PCR resins which comply with global standard to the market under brand InnoEco.

InnoEco: PCR PET					
Properties	Test Method	Unit	Grade		
			TN080FB	TN085FB	
Physical Properties					
Intrinsic Viscosity (IV)	Relative to ASTM D4603	dl/g	0.80±0.03	0.85±0.03	
Acetaldehyde (AA)	ENV-Method	ppm	Max 1.5	Max 1.5	
Moisture Content	ENV-Method	%	Max 0.2	Max 0.2	
Color Properties					
L*	CIELAB	-	Min 63	Min 70	
b*	CIELAB	-	Max 1.0	Max 1.0	
Application	Food & Beverage, Home & Personal Care Bottles			CSD, Food & Beverage, Home & Personal Care Bottles	

Recommendation:
Barrel Temperature : 270 - 295 °C
Drying : 160 - 170 °C, 4 - 6 hrs.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose. All above values are typical values, not to be construed as specification.