

RYNYL RY6GJ001FN (PA6 reprocessed PCR)

Physical and Chemical Properties	Standard	Unit	Typical Value
Apperance			Pellets
Color			Green/Blue/black (various by source)
Density			1,12-1,15g/cm3
Moisture Content			<1%
Ash Content			<1%
Mechanical Properties			
Tensile Modulus	ISO 527	Gpa	2,5-3,2
Elongation at Break	ISO 527	%	10-30.
Tensile Strength	EN ISO 527-1,2	MPa	50-80
Notch Impact Strength Charpy 23°C	EN ISO 179-1	kJ / m²	5-15.
Thermal Properties			
Melting Temperature	ISO11357	°C	215-225
Heat deflection Temperature	ISO 75	°C	65-85
Continuous use Temperature		°C	80-100
Rheological Properties			
Relative Viscosity (RV)	ISO 307	formic acid, 25°C	3,2
Melt Flow Index (MFI, 275°C/5kg)	ISO 1133	g/10min	8-20g

Original Feedstock
PCR content
Contaminants
Metals removed

Post-Consumer fishing nets (PA6)
98-100%
<0,3% (after filtration and cleaning)
Magnetic seperation